

# **NOTICE**

**All drawings located at the end of the document.**

A2

REF: C3-RECC823; JLB-C39-C3

**Data Summary Report  
IHSS Group 800-2  
IHSS Group 800-2  
UBC 881, Laboratory and Office;  
PAC 800-1205, Building 881 East Dock;  
and IHSS 000-121, OPWL Tank 39**



**June 2003**

ADMIN RECORD

IA-A-001442

Y 94

C2X-105-01

**Data Summary Report  
IHSS Group 800-2**

**UBC 881, Laboratory and Office;  
PAC 800-1205, Building 881 East Dock;  
and IHSS 000-121, OPWL Tank 39**

Approval received from the Colorado Department of Public Health and Environment

( ).

Approval letter contained in the Administrative Record.

**June 2003**

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## ACRONYMS

AL	action level
AOC	area of concern
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CDPHE	Colorado Department of Public Health and Environment
COC	contaminant of concern
DOE	U.S. Department of Energy
DQA	Data Quality Assessment
DQO	Data Quality Objective
EPA	U.S. Environmental Protection Agency
ER	Environmental Restoration
ft	feet
HPGe	high-purity germanium
HRR	Historical Release Report
IA	Industrial Area
IASAP	Industrial Area Sampling and Analysis Plan
IHSS	Individual Hazardous Substance Site
K-H	Kaiser-Hill Company, L.L.C.
LCS	laboratory control sample
MS	matrix spike
MSD	matrix spike duplicate
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
mg/kg	milligrams per kilogram
N/A	not applicable
ND	not detected
NFAA	no further accelerated action
OPWL	Original Process Waste Lines
PAC	Potential Area of Concern
PARCCS	precision, accuracy, representativeness, completeness, comparability, and sensitivity
PCB	polychlorinated biphenyl
pCi/g	picocuries per gram
POC	Point of Compliance
QC	quality control
RFCA	Rocky Flats Cleanup Agreement
RFETS	Rocky Flats Environmental Technology Site
RIN	report identification number
RL	reporting limit
RPD	relative percent difference
SAP	Sampling and Analysis Plan
SD	standard deviation
SID	South Interceptor Ditch
SVOC	semi-volatile organic compound
UBC	Under Building Contamination
VOC	volatile organic compound
V&V	verification and validation
WRW	Wildlife Refuge Worker

## 1.0 INTRODUCTION

This Data Summary Report summarizes characterization activities conducted at Individual Hazardous Substance Site (IHSS) Group 800-2 at the Rocky Flats Environmental Technology Site (RFETS) in Golden, Colorado. Characterization activities were planned and executed in accordance with the Industrial Area Sampling and Analysis Plan (IASAP) (DOE 2001) and IASAP Addendum #IA-02-04 (DOE 2002). This IASAP Addendum is for both IHSS Groups 800-2 and 800-5, however, only 800-2 has been sampled at this time. In addition, analytical results are compared with the proposed Rocky Flats Cleanup Agreement (RFCA) action levels (ALs) for the Wildlife Refuge Worker (WRW) and Ecological Receptors (DOE et al 2002).

IHSS Group 800-2 is shown on Figure 1, and individual IHSSs, Potential Areas of Concern (PACs) and Under Building Contamination (UBC) sites are listed in Table 1.

**Table 1**  
**IHSS Group 800-2 Description**

<b>IHSS Group</b>	<b>IHSS/PAC/UBC Site</b>
800-2	UBC 881 – Laboratory and Office
	PAC 800-1205 – Building 881, East Dock
	IHSS 000-121 – OPWL Tank 39 - Four 250-Gallon Steel Process Waste Tanks

Approval of this Data Summary Report constitutes regulatory agency concurrence that this IHSS Group is a No Further Accelerated Action (NFAA) site. This information and NFAA determination will be documented in the FY03 Historical Release Report (HRR).

## 2.0 SITE CHARACTERIZATION

IHSS Group 800-2 information consists of historical knowledge (DOE 1992-2001), historical data, and recent characterization sample results. Historical soil sampling locations are shown on Figure 2. Included on this figure are data greater than background means plus two standard deviations or reporting limits (RLs). Specifications associated with the recent soil sampling, including sampling locations, are described in IASAP Addendum #IA-02-04 (DOE 2002) and listed in Table 2. Analytical results greater than background means plus two standard deviations or RLs, for analytes with RFCA ALs, are presented in Table 3. A summary of analytical statistics, by analyte, is presented in Table 4. The raw data as of June 4, 2003 are enclosed on a compact disc, and related correspondence is included in Appendix A of this data summary. Quality assurance and quality control data as of June 4, 2003 are presented on a separate disc.

Table 2  
IHSS Group 800-2 Characterization Sampling Specifications

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
800-2	UBC 881 - Laboratory and Office	CF34-A000	2083806.000	748339.480	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF34-A000	2083806.000	748339.480	Surface Soil	0-0.5'	Metals	6200	6010
		CF34-A000	2083806.000	748339.480	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF34-B000	2083806.000	748339.480	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF34-B000	2083806.000	748339.480	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF34-B000	2083806.000	748339.480	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF34-B000	2083806.000	748339.480	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF34-A001	2083806.000	748277.126	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF34-A001	2083806.000	748277.126	Surface Soil	0-0.5'	Metals	6200	6010
		CF34-A001	2083806.000	748277.126	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF34-B001	2083806.000	748277.126	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF34-B001	2083806.000	748277.126	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF34-B001	2083806.000	748277.126	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF34-B001	2083806.000	748277.126	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF34-A002	2083824.000	748308.303	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF34-A002	2083824.000	748308.303	Surface Soil	0-0.5'	Metals	6200	6010
		CF34-A002	2083824.000	748308.303	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF34-B002	2083824.000	748308.303	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF34-B002	2083824.000	748308.303	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF34-B002	2083824.000	748308.303	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF34-B002	2083824.000	748308.303	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF34-A004	2083806.000	748214.772	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF34-A004	2083806.000	748214.772	Surface Soil	0-0.5'	Metals	6200	6010
		CF34-A004	2083806.000	748214.772	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF34-B004	2083806.000	748214.772	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF34-B004	2083806.000	748214.772	Subsurface Soil	0.5'-2.5'	Metals	6200	6010

IHSS Group	IHSS/PAC/JBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
		CF34-B004	2083806.000	748214.772	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF34-B004	2083806.000	748214.772	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF34-A007	2083860.000	748308.303	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF34-A007	2083860.000	748308.303	Surface Soil	0-0.5'	Metals	6200	6010
		CF34-A007	2083860.000	748308.303	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF34-B007	2083860.000	748308.303	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF34-B007	2083860.000	748308.303	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF34-B007	2083860.000	748308.303	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF34-B007	2083860.000	748308.303	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF34-A008	2083878.000	748339.480	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF34-A008	2083878.000	748339.480	Surface Soil	0-0.5'	Metals	6200	6010
		CF34-A008	2083878.000	748339.480	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF34-B008	2083878.000	748339.480	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF34-B008	2083878.000	748339.480	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF34-B008	2083878.000	748339.480	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF34-B008	2083878.000	748339.480	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF34-A009	2083842.000	748214.772	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF34-A009	2083842.000	748214.772	Surface Soil	0-0.5'	Metals	6200	6010
		CF34-A009	2083842.000	748214.772	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF34-B009	2083842.000	748214.772	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF34-B009	2083842.000	748214.772	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF34-B009	2083842.000	748214.772	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF34-B009	2083842.000	748214.772	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF34-A012	2083896.000	748308.303	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF34-A012	2083896.000	748308.303	Surface Soil	0-0.5'	Metals	6200	6010
		CF34-A012	2083896.000	748308.303	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF34-B012	2083896.000	748308.303	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF34-B012	2083896.000	748308.303	Subsurface Soil	0.5'-2.5'	Metals	6200	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
		CF34-B012	2083896.000	748308.303	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF34-B012	2083896.000	748308.303	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF34-A013	2083914.000	748339.480	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF34-A013	2083914.000	748339.480	Surface Soil	0-0.5'	Metals	6200	6010
		CF34-A013	2083914.000	748339.480	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF34-B013	2083914.000	748339.480	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF34-B013	2083914.000	748339.480	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF34-B013	2083914.000	748339.480	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF34-B013	2083914.000	748339.480	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF34-A014	2083878.000	748214.772	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF34-A014	2083878.000	748214.772	Surface Soil	0-0.5'	Metals	6200	6010
		CF34-A014	2083878.000	748214.772	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF34-B014	2083878.000	748214.772	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF34-B014	2083878.000	748214.772	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF34-B014	2083878.000	748214.772	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF34-B014	2083878.000	748214.772	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF34-A016	2083914.000	748277.126	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF34-A016	2083914.000	748277.126	Surface Soil	0-0.5'	Metals	6200	6010
		CF34-A016	2083914.000	748277.126	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF34-B016	2083914.000	748277.126	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF34-B016	2083914.000	748277.126	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF34-B016	2083914.000	748277.126	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF34-B016	2083914.000	748277.126	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF34-A017	2083932.000	748308.303	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF34-A017	2083932.000	748308.303	Surface Soil	0-0.5'	Metals	6200	6010
		CF34-A017	2083932.000	748308.303	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF34-B017	2083932.000	748308.303	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF34-B017	2083932.000	748308.303	Subsurface Soil	0.5'-2.5'	Metals	6200	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
		CF34-B017	2083932.000	748308.303	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF34-B017	2083932.000	748308.303	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF34-A018	2083914.000	748214.772	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF34-A018	2083914.000	748214.772	Surface Soil	0-0.5'	Metals	6200	6010
		CF34-A018	2083914.000	748214.772	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF34-B018	2083914.000	748214.772	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF34-B018	2083914.000	748214.772	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF34-B018	2083914.000	748214.772	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF34-B018	2083914.000	748214.772	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF34-A019	2083932.000	748245.949	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF34-A019	2083932.000	748245.949	Surface Soil	0-0.5'	Metals	6200	6010
		CF34-A019	2083932.000	748245.949	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF34-B019	2083932.000	748245.949	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF34-B019	2083932.000	748245.949	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF34-B019	2083932.000	748245.949	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF34-B019	2083932.000	748245.949	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A000	2083770.000	748526.541	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A000	2083770.000	748526.541	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A000	2083770.000	748526.541	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B000	2083770.000	748526.541	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B000	2083770.000	748526.541	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B000	2083770.000	748526.541	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B000	2083770.000	748526.541	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A001	2083788.000	748557.718	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A001	2083788.000	748557.718	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A001	2083788.000	748557.718	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B001	2083788.000	748557.718	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B001	2083788.000	748557.718	Subsurface Soil	0.5'-2.5'	Metals	6200	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
		CF35-B001	2083788.000	748557.718	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B001	2083788.000	748557.718	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A002	2083770.000	748464.187	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A002	2083770.000	748464.187	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A002	2083770.000	748464.187	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B002	2083770.000	748464.187	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B002	2083770.000	748464.187	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B002	2083770.000	748464.187	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B002	2083770.000	748464.187	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A003	2083788.000	748495.364	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A003	2083788.000	748495.364	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A003	2083788.000	748495.364	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B003	2083788.000	748495.364	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B003	2083788.000	748495.364	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B003	2083788.000	748495.364	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B003	2083788.000	748495.364	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A004	2083806.000	748526.541	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A004	2083806.000	748526.541	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A004	2083806.000	748526.541	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B004	2083806.000	748526.541	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B004	2083806.000	748526.541	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B004	2083806.000	748526.541	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B004	2083806.000	748526.541	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A005	2083824.000	748557.718	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A005	2083824.000	748557.718	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A005	2083824.000	748557.718	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B005	2083824.000	748557.718	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B005	2083824.000	748557.718	Subsurface Soil	0.5'-2.5'	Metals	6200	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
		CF35-B005	2083824.000	748557.718	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B005	2083824.000	748557.718	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A006	2083806.000	748464.187	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A006	2083806.000	748464.187	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A006	2083806.000	748464.187	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B006	2083806.000	748464.187	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B006	2083806.000	748464.187	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B006	2083806.000	748464.187	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B006	2083806.000	748464.187	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A007	2083824.000	748495.364	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A007	2083824.000	748495.364	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A007	2083824.000	748495.364	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B007	2083824.000	748495.364	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B007	2083824.000	748495.364	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B007	2083824.000	748495.364	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B007	2083824.000	748495.364	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A008	2083842.000	748526.541	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A008	2083842.000	748526.541	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A008	2083842.000	748526.541	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B008	2083842.000	748526.541	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B008	2083842.000	748526.541	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B008	2083842.000	748526.541	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B008	2083842.000	748526.541	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A009	2083860.000	748557.718	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A009	2083860.000	748557.718	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A009	2083860.000	748557.718	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B009	2083860.000	748557.718	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B009	2083860.000	748557.718	Subsurface Soil	0.5'-2.5'	Metals	6200	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
		CF35-B009	2083860.000	748557.718	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B009	2083860.000	748557.718	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A010	2083806.000	748401.833	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A010	2083806.000	748401.833	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A010	2083806.000	748401.833	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B010	2083806.000	748401.833	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B010	2083806.000	748401.833	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B010	2083806.000	748401.833	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B010	2083806.000	748401.833	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A011	2083824.000	748433.010	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A011	2083824.000	748433.010	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A011	2083824.000	748433.010	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B011	2083824.000	748433.010	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B011	2083824.000	748433.010	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B011	2083824.000	748433.010	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B011	2083824.000	748433.010	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A012	2083842.000	748464.187	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A012	2083842.000	748464.187	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A012	2083842.000	748464.187	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B012	2083842.000	748464.187	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B012	2083842.000	748464.187	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B012	2083842.000	748464.187	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B012	2083842.000	748464.187	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A013	2083860.000	748495.364	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A013	2083860.000	748495.364	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A013	2083860.000	748495.364	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B013	2083860.000	748495.364	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B013	2083860.000	748495.364	Subsurface Soil	0.5'-2.5'	Metals	6200	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
		CF35-B013	2083860.000	748495.364	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B013	2083860.000	748495.364	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A014	2083878.000	748526.541	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A014	2083878.000	748526.541	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A014	2083878.000	748526.541	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B014	2083878.000	748526.541	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B014	2083878.000	748526.541	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B014	2083878.000	748526.541	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B014	2083878.000	748526.541	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A015	2083896.000	748557.718	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A015	2083896.000	748557.718	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A015	2083896.000	748557.718	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B015	2083896.000	748557.718	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B015	2083896.000	748557.718	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B015	2083896.000	748557.718	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B015	2083896.000	748557.718	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A016	2083824.000	748370.657	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A016	2083824.000	748370.657	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A016	2083824.000	748370.657	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B016	2083824.000	748370.657	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B016	2083824.000	748370.657	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B016	2083824.000	748370.657	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B016	2083824.000	748370.657	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A017	2083842.000	748401.833	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A017	2083842.000	748401.833	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A017	2083842.000	748401.833	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B017	2083842.000	748401.833	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B017	2083842.000	748401.833	Subsurface Soil	0.5'-2.5'	Metals	6200	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
		CF35-B017	2083842.000	748401.833	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B017	2083842.000	748401.833	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A018	2083860.000	748433.010	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A018	2083860.000	748433.010	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A018	2083860.000	748433.010	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B018	2083860.000	748433.010	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B018	2083860.000	748433.010	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B018	2083860.000	748433.010	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B018	2083860.000	748433.010	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A019	2083878.000	748464.187	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A019	2083878.000	748464.187	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A019	2083878.000	748464.187	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B019	2083878.000	748464.187	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B019	2083878.000	748464.187	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B019	2083878.000	748464.187	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B019	2083878.000	748464.187	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A020	2083896.000	748495.364	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A020	2083896.000	748495.364	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A020	2083896.000	748495.364	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B020	2083896.000	748495.364	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B020	2083896.000	748495.364	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B020	2083896.000	748495.364	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B020	2083896.000	748495.364	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A021	2083914.000	748526.541	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A021	2083914.000	748526.541	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A021	2083914.000	748526.541	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B021	2083914.000	748526.541	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B021	2083914.000	748526.541	Subsurface Soil	0.5'-2.5'	Metals	6200	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
		CF35-B021	2083914.000	748526.541	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B021	2083914.000	748526.541	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A022	2083860.000	748370.657	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A022	2083860.000	748370.657	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A022	2083860.000	748370.657	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B022	2083860.000	748370.657	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B022	2083860.000	748370.657	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B022	2083860.000	748370.657	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B022	2083860.000	748370.657	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A023	2083878.000	748401.833	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A023	2083878.000	748401.833	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A023	2083878.000	748401.833	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B023	2083878.000	748401.833	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B023	2083878.000	748401.833	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B023	2083878.000	748401.833	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B023	2083878.000	748401.833	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A025	2083914.000	748464.187	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A025	2083914.000	748464.187	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A025	2083914.000	748464.187	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B025	2083914.000	748464.187	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B025	2083914.000	748464.187	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B025	2083914.000	748464.187	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B025	2083914.000	748464.187	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A026	2083932.000	748495.364	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A026	2083932.000	748495.364	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A026	2083932.000	748495.364	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B026	2083932.000	748495.364	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B026	2083932.000	748495.364	Subsurface Soil	0.5'-2.5'	Metals	6200	6010

IHSS Group	IHSS/PAC/JBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
		CF35-B026	2083932.000	748495.364	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B026	2083932.000	748495.364	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A027	2083896.000	748370.657	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A027	2083896.000	748370.657	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A027	2083896.000	748370.657	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B027	2083896.000	748370.657	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B027	2083896.000	748370.657	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B027	2083896.000	748370.657	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B027	2083896.000	748370.657	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A030	2083932.000	748370.657	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A030	2083932.000	748370.657	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A030	2083932.000	748370.657	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B030	2083932.000	748370.657	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B030	2083932.000	748370.657	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B030	2083932.000	748370.657	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B030	2083932.000	748370.657	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG34-A000	2083950.000	748339.480	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG34-A000	2083950.000	748339.480	Surface Soil	0-0.5'	Metals	6200	6010
		CG34-A000	2083950.000	748339.480	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG34-B000	2083950.000	748339.480	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG34-B000	2083950.000	748339.480	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG34-B000	2083950.000	748339.480	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG34-B000	2083950.000	748339.480	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG34-A001	2083950.000	748277.126	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG34-A001	2083950.000	748277.126	Surface Soil	0-0.5'	Metals	6200	6010
		CG34-A001	2083950.000	748277.126	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG34-B001	2083950.000	748277.126	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG34-B001	2083950.000	748277.126	Subsurface Soil	0.5'-2.5'	Metals	6200	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
		CG34-B001	2083950.000	748277.126	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG34-B001	2083950.000	748277.126	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG34-A002	2083968.000	748308.303	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG34-A002	2083968.000	748308.303	Surface Soil	0-0.5'	Metals	6200	6010
		CG34-A002	2083968.000	748308.303	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG34-B002	2083968.000	748308.303	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG34-B002	2083968.000	748308.303	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG34-B002	2083968.000	748308.303	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG34-B002	2083968.000	748308.303	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG34-A003	2083986.000	748339.480	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG34-A003	2083986.000	748339.480	Surface Soil	0-0.5'	Metals	6200	6010
		CG34-A003	2083986.000	748339.480	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG34-B003	2083986.000	748339.480	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG34-B003	2083986.000	748339.480	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG34-B003	2083986.000	748339.480	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG34-B003	2083986.000	748339.480	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG34-A004	2083950.000	748214.772	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG34-A004	2083950.000	748214.772	Surface Soil	0-0.5'	Metals	6200	6010
		CG34-A004	2083950.000	748214.772	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG34-B004	2083950.000	748214.772	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG34-B004	2083950.000	748214.772	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG34-B004	2083950.000	748214.772	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG34-B004	2083950.000	748214.772	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG34-A005	2083968.000	748245.949	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG34-A005	2083968.000	748245.949	Surface Soil	0-0.5'	Metals	6200	6010
		CG34-A005	2083968.000	748245.949	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG34-B005	2083968.000	748245.949	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG34-B005	2083968.000	748245.949	Subsurface Soil	0.5'-2.5'	Metals	6200	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
		CG34-B005	2083968.000	748245.949	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG34-B005	2083968.000	748245.949	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG34-A006	2083986.000	748277.126	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG34-A006	2083986.000	748277.126	Surface Soil	0-0.5'	Metals	6200	6010
		CG34-A006	2083986.000	748277.126	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG34-B006	2083986.000	748277.126	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG34-B006	2083986.000	748277.126	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG34-B006	2083986.000	748277.126	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG34-B006	2083986.000	748277.126	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG34-A008	2084004.000	748245.949	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG34-A008	2084004.000	748245.949	Surface Soil	0-0.5'	Metals	6200	6010
		CG34-A008	2084004.000	748245.949	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG34-B008	2084004.000	748245.949	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG34-B008	2084004.000	748245.949	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG34-B008	2084004.000	748245.949	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG34-B008	2084004.000	748245.949	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG35-A000	2083950.000	748464.187	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG35-A000	2083950.000	748464.187	Surface Soil	0-0.5'	Metals	6200	6010
		CG35-A000	2083950.000	748464.187	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG35-B000	2083950.000	748464.187	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG35-B000	2083950.000	748464.187	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG35-B000	2083950.000	748464.187	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG35-B000	2083950.000	748464.187	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG35-A008	2084038.938	748371.276	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG35-A008	2084038.938	748371.276	Surface Soil	0-0.5'	Metals	6200	6010
		CG35-A008	2084038.938	748371.276	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG35-A008	2084038.938	748371.276	Surface Soil	0-0.5'	PCBs	8082	8082
		CG35-B008	2084038.938	748371.276	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
		CG35-B008	2084038.938	748371.276	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG35-B008	2084038.938	748371.276	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG35-B008	2084038.938	748371.276	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG35-B008	2084038.938	748371.276	Subsurface Soil	0.5'-2.5'	PCBs	8082	8082
		CG35-A001	2083968.000	748495.364	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG35-A001	2083968.000	748495.364	Surface Soil	0-0.5'	Metals	6200	6010
		CG35-A001	2083968.000	748495.364	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG35-B001	2083968.000	748495.364	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG35-B001	2083968.000	748495.364	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG35-B001	2083968.000	748495.364	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG35-B001	2083968.000	748495.364	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG35-A002	2083950.000	748401.833	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG35-A002	2083950.000	748401.833	Surface Soil	0-0.5'	Metals	6200	6010
		CG35-A002	2083950.000	748401.833	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG35-B002	2083950.000	748401.833	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG35-B002	2083950.000	748401.833	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG35-B002	2083950.000	748401.833	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG35-B002	2083950.000	748401.833	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG35-A003	2083968.000	748433.010	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG35-A003	2083968.000	748433.010	Surface Soil	0-0.5'	Metals	6200	6010
		CG35-A003	2083968.000	748433.010	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG35-B003	2083968.000	748433.010	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG35-B003	2083968.000	748433.010	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG35-B003	2083968.000	748433.010	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG35-B003	2083968.000	748433.010	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG35-A004	2083986.000	748464.187	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG35-A004	2083986.000	748464.187	Surface Soil	0-0.5'	Metals	6200	6010
		CG35-A004	2083986.000	748464.187	Surface Soil	0-0.5'	SVOCs	N/A	8270

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
		CG35-B004	2083986.000	748464.187	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG35-B004	2083986.000	748464.187	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG35-B004	2083986.000	748464.187	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG35-B004	2083986.000	748464.187	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG35-A005	2084004.000	748495.364	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG35-A005	2084004.000	748495.364	Surface Soil	0-0.5'	Metals	6200	6010
		CG35-A005	2084004.000	748495.364	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG35-B005	2084004.000	748495.364	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG35-B005	2084004.000	748495.364	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG35-B005	2084004.000	748495.364	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG35-B005	2084004.000	748495.364	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG34-A010	2084024.195	748339.823	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG34-A010	2084024.195	748339.823	Surface Soil	0-0.5'	Metals	6200	6010
		CG34-A010	2084024.195	748339.823	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG34-A010	2084024.195	748339.823	Surface Soil	0-0.5'	PCBs	8082	8082
		CG34-B010	2084024.195	748339.823	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG34-B010	2084024.195	748339.823	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG34-B010	2084024.195	748339.823	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG34-B010	2084024.195	748339.823	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG34-B010	2084024.195	748339.823	Subsurface Soil	0.5'-2.5'	PCBs	8082	8082
		CG35-A006	2083968.000	748370.657	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG35-A006	2083968.000	748370.657	Surface Soil	0-0.5'	Metals	6200	6010
		CG35-A006	2083968.000	748370.657	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG35-B006	2083968.000	748370.657	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG35-B006	2083968.000	748370.657	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG35-B006	2083968.000	748370.657	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG35-B006	2083968.000	748370.657	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG35-A007	2083986.000	748401.833	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
		CG35-A007	2083986.000	748401.833	Surface Soil	0-0.5'	Metals	6200	6010
		CG35-A007	2083986.000	748401.833	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG35-B007	2083986.000	748401.833	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG35-B007	2083986.000	748401.833	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG35-B007	2083986.000	748401.833	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG35-B007	2083986.000	748401.833	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF34-A020	2083898.381	748182.556	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF34-A020	2083898.381	748182.556	Surface Soil	0-0.5'	Metals	6200	6010
		CF34-A020	2083898.381	748182.556	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF34-B020	2083898.381	748182.556	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF34-B020	2083898.381	748182.556	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF34-B020	2083898.381	748182.556	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF34-B020	2083898.381	748182.556	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A032	2083750.944	748557.047	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A032	2083750.944	748557.047	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A032	2083750.944	748557.047	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B032	2083750.944	748557.047	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B032	2083750.944	748557.047	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B032	2083750.944	748557.047	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B032	2083750.944	748557.047	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-A033	2083751.927	748494.141	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A033	2083751.927	748494.141	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A033	2083751.927	748494.141	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B033	2083751.927	748494.141	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B033	2083751.927	748494.141	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B033	2083751.927	748494.141	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B033	2083751.927	748494.141	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG34-A009	2084004.536	748309.352	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
		CG34-A009	2084004.536	748309.352	Surface Soil	0-0.5'	Metals	6200	6010
		CG34-A009	2084004.536	748309.352	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG34-B009	2084004.536	748309.352	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG34-B009	2084004.536	748309.352	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG34-B009	2084004.536	748309.352	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG34-B009	2084004.536	748309.352	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG35-A009	2084004.536	748370.293	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG35-A009	2084004.536	748370.293	Surface Soil	0-0.5'	Metals	6200	6010
		CG35-A009	2084004.536	748370.293	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG35-B009	2084004.536	748370.293	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG35-B009	2084004.536	748370.293	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG35-B009	2084004.536	748370.293	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG35-B009	2084004.536	748370.293	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG35-A010	2084003.553	748433.200	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG35-A010	2084003.553	748433.200	Surface Soil	0-0.5'	Metals	6200	6010
		CG35-A010	2084003.553	748433.200	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG35-B010	2084003.553	748433.200	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG35-B010	2084003.553	748433.200	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG35-B010	2084003.553	748433.200	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG35-B010	2084003.553	748433.200	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	Air Duct Room (no samples) Tank 39	X	X	X	X	X	X	X	X
		CF35-F024	2083896.000	748433.010	Subsurface Soil	8.5'-10.5'	Radionuclides	HPGe	Alpha Spec
		CF35-F024	2083896.000	748433.010	Subsurface Soil	8.5'-10.5'	Metals	6200	6010
		CF35-F024	2083896.000	748433.010	Subsurface Soil	8.5'-10.5'	SVOCs	N/A	8270
		CF35-F024	2083896.000	748433.010	Subsurface Soil	8.5'-10.5'	VOCs	8260	8260
		CF35-F028	2083914.000	748401.833	Subsurface Soil	8.5'-10.5'	Radionuclides	HPGe	Alpha Spec
		CF35-F028	2083914.000	748401.833	Subsurface Soil	8.5'-10.5'	Metals	6200	6010
		CF35-F028	2083914.000	748401.833	Subsurface Soil	8.5'-10.5'	SVOCs	N/A	8270

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
25	Sump in Building 881 (Southwestern corner of building)	CF35-F028	2083914.000	748401.833	Subsurface Soil	8.5'-10.5'	VOCs	8260	8260
		CF35-F029	2083932.000	748433.010	Subsurface Soil	8.5'-10.5'	Radionuclides	HPGe	Alpha Spec
		CF35-F029	2083932.000	748433.010	Subsurface Soil	8.5'-10.5'	Metals	6200	6010
		CF35-F029	2083932.000	748433.010	Subsurface Soil	8.5'-10.5'	SVOCs	N/A	8270
		CF35-F029	2083932.000	748433.010	Subsurface Soil	8.5'-10.5'	VOCs	8260	8260
		CF35-F039	2083915.044	748419.069	Subsurface Soil	8.5'-10.5'	Radionuclides	HPGe	Alpha Spec
		CF35-F039	2083915.044	748419.069	Subsurface Soil	8.5'-10.5'	Metals	6200	6010
		CF35-F039	2083915.044	748419.069	Subsurface Soil	8.5'-10.5'	SVOCs	N/A	8270
		CF35-F039	2083915.044	748419.069	Subsurface Soil	8.5'-10.5'	VOCs	8260	8260
		CG34-A007	2083986.000	748214.772	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG34-A007	2083986.000	748214.772	Surface Soil	0-0.5'	Metals	6200	6010
		CG34-A007	2083986.000	748214.772	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG34-B007	2083986.000	748214.772	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG34-B007	2083986.000	748214.772	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG34-B007	2083986.000	748214.772	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG34-B007	2083986.000	748214.772	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG34-A011	2083983.806	748222.003	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG34-A011	2083983.806	748222.003	Surface Soil	0-0.5'	Metals	6200	6010
		CG34-A011	2083983.806	748222.003	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG34-B011	2083983.806	748222.003	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG34-B011	2083983.806	748222.003	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG34-B011	2083983.806	748222.003	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG34-B011	2083983.806	748222.003	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG34-A012	2083998.754	748208.799	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG34-A012	2083998.754	748208.799	Surface Soil	0-0.5'	Metals	6200	6010
		CG34-A012	2083998.754	748208.799	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG34-B012	2083998.754	748208.799	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG34-B012	2083998.754	748208.799	Subsurface Soil	0.5'-2.5'	Metals	6200	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
	Process Waste Lines (where they exit Building 881)	CG34-B012	2083998.754	748208.799	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG34-B012	2083998.754	748208.799	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG34-A013	2083999.750	748230.723	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG34-A013	2083999.750	748230.723	Surface Soil	0-0.5'	Metals	6200	6010
		CG34-A013	2083999.750	748230.723	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG34-B013	2083999.750	748230.723	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG34-B013	2083999.750	748230.723	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG34-B013	2083999.750	748230.723	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG34-B013	2083999.750	748230.723	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF34-E021	2083861.231	748189.865	Subsurface Soil	6.5'-8.5'	Radionuclides	HPGe	Alpha Spec
		CF34-E021	2083861.231	748189.865	Subsurface Soil	6.5'-8.5'	Metals	6200	6010
		CF34-E021	2083861.231	748189.865	Subsurface Soil	6.5'-8.5'	SVOCs	N/A	8270
		CF34-E021	2083861.231	748189.865	Subsurface Soil	6.5'-8.5'	VOCs	8260	8260
		CF35-E034	2083751.927	748433.200	Subsurface Soil	6.5'-8.5'	Radionuclides	HPGe	Alpha Spec
		CF35-E034	2083751.927	748433.200	Subsurface Soil	6.5'-8.5'	Metals	6200	6010
		CF35-E034	2083751.927	748433.200	Subsurface Soil	6.5'-8.5'	SVOCs	N/A	8270
		CF35-E034	2083751.927	748433.200	Subsurface Soil	6.5'-8.5'	VOCs	8260	8260
		CF35-E035	2083788.295	748434.183	Subsurface Soil	6.5'-8.5'	Radionuclides	HPGe	Alpha Spec
		CF35-E035	2083788.295	748434.183	Subsurface Soil	6.5'-8.5'	Metals	6200	6010
		CF35-E035	2083788.295	748434.183	Subsurface Soil	6.5'-8.5'	SVOCs	N/A	8270
		CF35-E035	2083788.295	748434.183	Subsurface Soil	6.5'-8.5'	VOCs	8260	8260
	Floor Pit	CF35-A038	2083845.024	748375.354	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF35-A038	2083845.024	748375.354	Surface Soil	0-0.5'	Metals	6200	6010
		CF35-A038	2083845.024	748375.354	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF35-B038	2083845.024	748375.354	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF35-B038	2083845.024	748375.354	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF35-B038	2083845.024	748375.354	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF35-B038	2083845.024	748375.354	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF35-B038	2083845.024	748375.354	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
		CF34-A003	2083842.000	748339.480	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF34-A003	2083842.000	748339.480	Surface Soil	0-0.5'	Metals	6200	6010
		CF34-A003	2083842.000	748339.480	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF34-B003	2083842.000	748339.480	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF34-B003	2083842.000	748339.480	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF34-B003	2083842.000	748339.480	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF34-B003	2083842.000	748339.480	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CG35-A012	2083960.885	748455.941	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG35-A012	2083960.885	748455.941	Surface Soil	0-0.5'	Metals	6200	6010
		CG35-A012	2083960.885	748455.941	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG35-B012	2083960.885	748455.941	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CG35-B012	2083960.885	748455.941	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CG35-B012	2083960.885	748455.941	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CG35-B012	2083960.885	748455.941	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
	Room 144 Sump/Tank	TBD	TBD	TBD	Subsurface Soil	TBD	Radionuclides	HPGe	Alpha Spec
		TBD	TBD	TBD	Subsurface Soil	TBD	Metals	6200	6010
		TBD	TBD	TBD	Subsurface Soil	TBD	SVOCs	N/A	8270
		TBD	TBD	TBD	Subsurface Soil	TBD	VOCs	8260	8260
	Foundation Drain	CF35-I031	2083931.801	748558.030	Subsurface Soil	14.5'-16.5'	Radionuclides	HPGe	Alpha Spec
		CF35-I031	2083931.801	748558.030	Subsurface Soil	14.5'-16.5'	Metals	6200	6010
		CF35-I031	2083931.801	748558.030	Subsurface Soil	14.5'-16.5'	SVOCs	N/A	8270
		CF35-I031	2083931.801	748558.030	Subsurface Soil	14.5'-16.5'	VOCs	8260	8260
		CF36-I000	2083767.556	748588.481	Subsurface Soil	14.5'-16.5'	Radionuclides	HPGe	Alpha Spec
		CF36-I000	2083767.556	748588.481	Subsurface Soil	14.5'-16.5'	Metals	6200	6010
		CF36-I000	2083767.556	748588.481	Subsurface Soil	14.5'-16.5'	SVOCs	N/A	8270
		CF36-I000	2083767.556	748588.481	Subsurface Soil	14.5'-16.5'	VOCs	8260	8260
		CG35-I013	2083975.833	748512.744	Subsurface Soil	14.5'-16.5'	Radionuclides	HPGe	Alpha Spec
		CG35-I013	2083975.833	748512.744	Subsurface Soil	14.5'-16.5'	Metals	6200	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
		CG35-I013	2083975.833	748512.744	Subsurface Soil	14.5'-16.5'	SVOCs	N/A	8270
		CG35-I013	2083975.833	748512.744	Subsurface Soil	14.5'-16.5'	VOCs	8260	8260
		CG35-I014	2084007.723	748485.837	Subsurface Soil	14.5'-16.5'	Radionuclides	HPGe	Alpha Spec
		CG35-I014	2084007.723	748485.837	Subsurface Soil	14.5'-16.5'	Metals	6200	6010
		CG35-I014	2084007.723	748485.837	Subsurface Soil	14.5'-16.5'	SVOCs	N/A	8270
		CG35-I014	2084007.723	748485.837	Subsurface Soil	14.5'-16.5'	VOCs	8260	8260
		CG33-I000	2083943.716	748023.148	Subsurface Soil	14.5'-16.5'	Radionuclides	HPGe	Alpha Spec
		CG33-I000	2083943.716	748023.148	Subsurface Soil	14.5'-16.5'	Metals	6200	6010
		CG33-I000	2083943.716	748023.148	Subsurface Soil	14.5'-16.5'	SVOCs	N/A	8270
		CG33-I000	2083943.716	748023.148	Subsurface Soil	14.5'-16.5'	VOCs	8260	8260
	Tunnel Northeast of Building 881	CG35-A011	2083949.923	748526.695	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG35-A011	2083949.923	748526.695	Surface Soil	0-0.5'	Metals	6200	6010
		CG35-A011	2083949.923	748526.695	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CG34-A015	2084132.492	748333.257	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG34-A015	2084132.492	748333.257	Surface Soil	0-0.5'	Metals	6200	6010
		CG34-A016	2084088.458	748332.628	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG34-A016	2084088.458	748332.628	Surface Soil	0-0.5'	Metals	6200	6010
		CG35-A015	2084085.941	748422.584	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG35-A015	2084085.941	748422.584	Surface Soil	0-0.5'	Metals	6200	6010
		CG35-A016	2084133.750	748400.567	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
	Tanks 24 and 32 at Building 887	CG35-A016	2084133.750	748400.567	Surface Soil	0-0.5'	Metals	6200	6010
		CG35-A017	2084073.360	748368.485	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CG35-A017	2084073.360	748368.485	Surface Soil	0-0.5'	Metals	6200	6010
		CF33-K001	2083853.010	748121.103	Subsurface Soil	16.5'-18.5'	Radionuclides	HPGe	Alpha Spec
		CF33-K001	2083853.010	748121.103	Subsurface Soil	16.5'-18.5'	Metals	6200	6010
		CF33-K001	2083853.010	748121.103	Subsurface Soil	16.5'-18.5'	SVOCs	N/A	8270
		CF33-K001	2083853.010	748121.103	Subsurface Soil	16.5'-18.5'	VOCs	8260	8260
		CF33-K002	2083850.518	748075.013	Subsurface Soil	16.5'-18.5'	Radionuclides	HPGe	Alpha Spec

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
		CF33-K002	2083850.518	748075.013	Subsurface Soil	16.5'-18.5'	Metals	6200	6010
		CF33-K002	2083850.518	748075.013	Subsurface Soil	16.5'-18.5'	SVOCs	N/A	8270
		CF33-K002	2083850.518	748075.013	Subsurface Soil	16.5'-18.5'	VOCs	8260	8260
		CF33-K003	2083824.359	748073.768	Subsurface Soil	16.5'-18.5'	Radionuclides	HPGe	Alpha Spec
		CF33-K003	2083824.359	748073.768	Subsurface Soil	16.5'-18.5'	Metals	6200	6010
		CF33-K003	2083824.359	748073.768	Subsurface Soil	16.5'-18.5'	SVOCs	N/A	8270
		CF33-K003	2083824.359	748073.768	Subsurface Soil	16.5'-18.5'	VOCs	8260	8260
		CF33-K004	2083838.062	748101.172	Subsurface Soil	16.5'-18.5'	Radionuclides	HPGe	Alpha Spec
		CF33-K004	2083838.062	748101.172	Subsurface Soil	16.5'-18.5'	Metals	6200	6010
		CF33-K004	2083838.062	748101.172	Subsurface Soil	16.5'-18.5'	SVOCs	N/A	8270
		CF33-K004	2083838.062	748101.172	Subsurface Soil	16.5'-18.5'	VOCs	8260	8260
		CF33-K000	2083824.359	748124.840	Subsurface Soil	16.5'-18.5'	Radionuclides	HPGe	Alpha Spec
		CF33-K000	2083824.359	748124.840	Subsurface Soil	16.5'-18.5'	Metals	6200	6010
		CF33-K000	2083824.359	748124.840	Subsurface Soil	16.5'-18.5'	SVOCs	N/A	8270
		CF33-K000	2083824.359	748124.840	Subsurface Soil	16.5'-18.5'	VOCs	8260	8260
		CF33-E009	2083848.784	748139.505	Subsurface Soil	6.5'-8.5'	Radionuclides	HPGe	Alpha Spec
		CF33-E009	2083848.784	748139.505	Subsurface Soil	6.5'-8.5'	Metals	6200	6010
		CF33-E009	2083848.784	748139.505	Subsurface Soil	6.5'-8.5'	SVOCs	N/A	8270
		CF33-E009	2083848.784	748139.505	Subsurface Soil	6.5'-8.5'	VOCs	8260	8260
		CF33-E010	2083867.655	748131.956	Subsurface Soil	6.5'-8.5'	Radionuclides	HPGe	Alpha Spec
		CF33-E010	2083867.655	748131.956	Subsurface Soil	6.5'-8.5'	Metals	6200	6010
		CF33-E010	2083867.655	748131.956	Subsurface Soil	6.5'-8.5'	SVOCs	N/A	8270
		CF33-E010	2083867.655	748131.956	Subsurface Soil	6.5'-8.5'	VOCs	8260	8260
	IHSS 177	CF33-A007	2083889.478	748059.006	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF33-A007	2083889.478	748059.006	Surface Soil	0-0.5'	Metals	6200	6010
		CF33-A007	2083889.478	748059.006	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF33-B007	2083889.478	748059.006	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF33-B007	2083889.478	748059.006	Subsurface Soil	0.5'-2.5'	Metals	6200	6010

IHSS Group	IHSS/PAC/UBC Site	Location Code	Easting	Northing	Media	Depth Interval	Analyte	Onsite Method	Offsite Laboratory Method
		CF33-B007	2083889.478	748059.006	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF33-B007	2083889.478	748059.006	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260
		CF33-A008	2083919.698	748059.683	Surface Soil	0-0.5'	Radionuclides	HPGe	Alpha Spec
		CF33-A008	2083919.698	748059.683	Surface Soil	0-0.5'	Metals	6200	6010
		CF33-A008	2083919.698	748059.683	Surface Soil	0-0.5'	SVOCs	N/A	8270
		CF33-B008	2083919.698	748059.683	Subsurface Soil	0.5'-2.5'	Radionuclides	HPGe	Alpha Spec
		CF33-B008	2083919.698	748059.683	Subsurface Soil	0.5'-2.5'	Metals	6200	6010
		CF33-B008	2083919.698	748059.683	Subsurface Soil	0.5'-2.5'	SVOCs	N/A	8270
		CF33-B008	2083919.698	748059.683	Subsurface Soil	0.5'-2.5'	VOCs	8260	8260

SVOC - semi-volatile organic compound

VOC - volatile organic compound

TBD - to be determined

Table 3

IHSS Group 800-2 Soil Results Greater Than Background Means Plus Two Standard Deviations or Reporting Limits

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CF34-000	2083802.58	748341.00	0	0.5	Arsenic	11.00	25	10.09	22.20	--	mg/kg
CF34-000	2083802.58	748341.00	0	0.5	Barium	607.00	150	141.26	26400.00	--	mg/kg
CF34-000	2083802.58	748341.00	0	0.5	Chromium	56.00	90	16.99	268.00	--	mg/kg
CF34-000	2083802.58	748341.00	0	0.5	Copper	99.00	300	18.06	40900.00	--	mg/kg
CF34-000	2083802.58	748341.00	0	0.5	Iron	30300.00	2500	18037	307000.00	--	mg/kg
CF34-000	2083802.58	748341.00	0	0.5	Nickel	38.00	60	14.91	20400.00	--	mg/kg
CF34-000	2083802.58	748341.00	0	0.5	Strontium	230.00	250	48.94	613000.00	--	mg/kg
CF34-000	2083802.58	748341.00	0	0.5	Vanadium	111.00	100	45.59	7150.00	292	mg/kg
CF34-000	2083802.58	748341.00	0	0.5	Zinc	97.00	300	73.76	307000.00	--	mg/kg
CF34-001	2083807.45	748289.39	0	0.5	Barium	554.00	150	141.26	26400.00	--	mg/kg
CF34-001	2083807.45	748289.39	0	0.5	Chromium	42.00	90	16.99	268.00	--	mg/kg
CF34-001	2083807.45	748289.39	0	0.5	Copper	130.00	300	18.06	40900.00	--	mg/kg
CF34-001	2083807.45	748289.39	0	0.5	Iron	26700.00	2500	18037	307000.00	--	mg/kg
CF34-001	2083807.45	748289.39	0	0.5	Nickel	29.00	60	14.91	20400.00	--	mg/kg
CF34-001	2083807.45	748289.39	0	0.5	Strontium	160.00	250	48.94	613000.00	--	mg/kg
CF34-001	2083807.45	748289.39	0	0.5	Vanadium	90.00	100	45.59	7150.00	292	mg/kg
CF34-001	2083807.45	748289.39	0	0.5	Zinc	95.00	300	73.76	307000.00	--	mg/kg
CF34-002	2083822.07	748314.63	0	0.5	Barium	674.00	150	141.26	26400.00	--	mg/kg
CF34-002	2083822.07	748314.63	0	0.5	Chromium	67.00	90	16.99	268.00	--	mg/kg
CF34-002	2083822.07	748314.63	0	0.5	Copper	44.00	300	18.06	40900.00	--	mg/kg
CF34-002	2083822.07	748314.63	0	0.5	Iron	30700.00	2500	18037	307000.00	--	mg/kg
CF34-002	2083822.07	748314.63	0	0.5	Nickel	33.00	60	14.91	20400.00	--	mg/kg
CF34-002	2083822.07	748314.63	0	0.5	Strontium	275.00	250	48.94	613000.00	--	mg/kg
CF34-002	2083822.07	748314.63	0	0.5	Vanadium	82.00	100	45.59	7150.00	292	mg/kg
CF34-002	2083822.07	748314.63	0	0.5	Zinc	96.00	300	73.76	307000.00	--	mg/kg
CF34-003	2083840.12	748341.29	0	0.5	Barium	761.00	150	141.26	26400.00	--	mg/kg
CF34-003	2083840.12	748341.29	0	0.5	Chromium	62.00	90	16.99	268.00	--	mg/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CF34-003	2083840.12	748341.29	0	0.5	Cobalt	209.00	90	10.91	1550.00	--	mg/kg
CF34-003	2083840.12	748341.29	0	0.5	Copper	110.00	300	18.06	40900.00	--	mg/kg
CF34-003	2083840.12	748341.29	0	0.5	Iron	27400.00	2500	18037	307000.00	--	mg/kg
CF34-003	2083840.12	748341.29	0	0.5	Manganese	385.00	200	365.08	3480.00	--	mg/kg
CF34-003	2083840.12	748341.29	0	0.5	Nickel	37.00	60	14.91	20400.00	--	mg/kg
CF34-003	2083840.12	748341.29	0	0.5	Selenium	2.70	20	1.224	5110.00	--	mg/kg
CF34-003	2083840.12	748341.29	0	0.5	Strontium	360.00	250	48.94	613000.00	--	mg/kg
CF34-003	2083840.12	748341.29	0	0.5	Vanadium	49.00	100	45.59	7150.00	292	mg/kg
CF34-003	2083840.12	748341.29	0	0.5	Zinc	76.00	300	73.76	307000.00	--	mg/kg
CF34-004	2083809.15	748212.86	0	0.5	Cobalt	70.60	0.081	10.91	1550.00	--	mg/kg
CF34-005	2083857.32	748260.49	0	0.5	Barium	669.00	150	141.26	26400.00	--	mg/kg
CF34-005	2083857.32	748260.49	0	0.5	Chromium	26.00	90	16.99	268.00	--	mg/kg
CF34-005	2083857.32	748260.49	0	0.5	Cobalt	57.00	90	10.91	1550.00	--	mg/kg
CF34-005	2083857.32	748260.49	0	0.5	Copper	270.00	300	18.06	40900.00	--	mg/kg
CF34-005	2083857.32	748260.49	0	0.5	Iron	26400.00	2500	18037	307000.00	--	mg/kg
CF34-005	2083857.32	748260.49	0	0.5	Manganese	407.00	200	365.08	3480.00	--	mg/kg
CF34-005	2083857.32	748260.49	0	0.5	Nickel	29.00	60	14.91	20400.00	--	mg/kg
CF34-005	2083857.32	748260.49	0	0.5	Strontium	314.00	250	48.94	613000.00	--	mg/kg
CF34-005	2083857.32	748260.49	0	0.5	Vanadium	63.00	100	45.59	7150.00	292	mg/kg
CF34-005	2083857.32	748260.49	0	0.5	Zinc	92.00	300	73.76	307000.00	--	mg/kg
CF34-006	2083845.44	748283.16	0	0.5	Acenaphthene	110.00	49	NA	40800000.00	--	ug/kg
CF34-006	2083845.44	748283.16	0	0.5	Anthracene	120.00	82	NA	204000000.00	--	ug/kg
CF34-006	2083845.44	748283.16	0	0.5	Arsenic	13.00	25	10.09	22.20	--	mg/kg
CF34-006	2083845.44	748283.16	0	0.5	Barium	621.00	150	141.26	26400.00	--	mg/kg
CF34-006	2083845.44	748283.16	0	0.5	Benzo(A)Anthracene	200.00	41	NA	34900.00	--	ug/kg
CF34-006	2083845.44	748283.16	0	0.5	Benzo(A)Pyrene	150.00	99	NA	3490.00	--	ug/kg
CF34-006	2083845.44	748283.16	0	0.5	Benzo(K)Fluoranthene	140.00	98	NA	349000.00	--	ug/kg
CF34-006	2083845.44	748283.16	0	0.5	Butyl Benzylphthalate	650.00	36	NA	147000000.00	--	ug/kg
CF34-006	2083845.44	748283.16	0	0.5	Chromium	41.00	90	16.99	268.00	--	mg/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CF34-006	2083845.44	748283.16	0	0.5	Chrysene	250.00	56	NA	3490000.00	--	ug/kg
CF34-006	2083845.44	748283.16	0	0.5	Copper	190.00	300	18.06	40900.00	--	mg/kg
CF34-006	2083845.44	748283.16	0	0.5	Fluoranthene	500.00	89	NA	27200000.00	--	ug/kg
CF34-006	2083845.44	748283.16	0	0.5	Indeno(1,2,3-Cd)Pyrene	73.00	51	NA	34900.00	--	ug/kg
CF34-006	2083845.44	748283.16	0	0.5	Iron	34700.00	2500	18037	307000.00	--	mg/kg
CF34-006	2083845.44	748283.16	0	0.5	Manganese	536.00	200	365.08	3480.00	--	mg/kg
CF34-006	2083845.44	748283.16	0	0.5	Nickel	40.00	60	14.91	20400.00	--	mg/kg
CF34-006	2083845.44	748283.16	0	0.5	Pyrene	530.00	42	NA	22100000.00	--	ug/kg
CF34-006	2083845.44	748283.16	0	0.5	Strontium	180.00	250	48.94	613000.00	--	mg/kg
CF34-006	2083845.44	748283.16	0	0.5	Vanadium	113.00	100	45.59	7150.00	292	mg/kg
CF34-006	2083845.44	748283.16	0	0.5	Zinc	94.00	300	73.76	307000.00	--	mg/kg
CF34-007	2083864.82	748320.55	0	0.5	Barium	478.00	150	141.26	26400.00	--	mg/kg
CF34-007	2083864.82	748320.55	0	0.5	Chromium	46.00	90	16.99	268.00	--	mg/kg
CF34-007	2083864.82	748320.55	0	0.5	Copper	54.00	300	18.06	40900.00	--	mg/kg
CF34-007	2083864.82	748320.55	0	0.5	Iron	33100.00	2500	18037	307000.00	--	mg/kg
CF34-007	2083864.82	748320.55	0	0.5	Nickel	29.00	60	14.91	20400.00	--	mg/kg
CF34-007	2083864.82	748320.55	0	0.5	Strontium	150.00	250	48.94	613000.00	--	mg/kg
CF34-007	2083864.82	748320.55	0	0.5	Vanadium	184.00	100	45.59	7150.00	292	mg/kg
CF34-007	2083864.82	748320.55	0	0.5	Zinc	97.00	300	73.76	307000.00	--	mg/kg
CF34-008	2083881.30	748342.75	0	0.5	Benzo(A)Anthracene	180.00	41	NA	34900.00	--	ug/kg
CF34-008	2083881.30	748342.75	0	0.5	Benzo(A)Pyrene	210.00	99	NA	3490.00	--	ug/kg
CF34-008	2083881.30	748342.75	0	0.5	Benzo(B)Fluoranthene	190.00	110	NA	34900.00	--	ug/kg
CF34-008	2083881.30	748342.75	0	0.5	Benzo(K)Fluoranthene	200.00	98	NA	349000.00	--	ug/kg
CF34-008	2083881.30	748342.75	0	0.5	Butyl Benzylphthalate	1000.00	36	NA	14700000.00	--	ug/kg
CF34-008	2083881.30	748342.75	0	0.5	Chrysene	200.00	56	NA	3490000.00	--	ug/kg
CF34-008	2083881.30	748342.75	0	0.5	Cobalt	11.00	0.081	10.91	1550.00	--	mg/kg
CF34-008	2083881.30	748342.75	0	0.5	Fluoranthene	390.00	89	NA	27200000.00	--	ug/kg
CF34-008	2083881.30	748342.75	0	0.5	Indeno(1,2,3-Cd)Pyrene	120.00	51	NA	34900.00	--	ug/kg
CF34-008	2083881.30	748342.75	0	0.5	Pyrene	330.00	42	NA	22100000.00	--	ug/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CF34-009	2083852.72	748216.73	0	0.5	Chromium	24.90	0.058	16.99	268.00	--	mg/kg
CF34-009	2083852.72	748216.73	0	0.5	Cobalt	12.80	0.086	10.91	1550.00	--	mg/kg
CF34-009	2083852.72	748216.73	0	0.5	Lithium	12.90	0.19	11.55	20400.00	--	mg/kg
CF34-010	2083872.82	748244.18	0	0.5	Arsenic	11.00	25	10.09	22.20	--	mg/kg
CF34-010	2083872.82	748244.18	0	0.5	Barium	602.00	150	141.26	26400.00	--	mg/kg
CF34-010	2083872.82	748244.18	0	0.5	Chromium	36.00	90	16.99	268.00	--	mg/kg
CF34-010	2083872.82	748244.18	0	0.5	Copper	140.00	300	18.06	40900.00	--	mg/kg
CF34-010	2083872.82	748244.18	0	0.5	Iron	32100.00	2500	18037	307000.00	--	mg/kg
CF34-010	2083872.82	748244.18	0	0.5	Manganese	550.00	200	365.08	3480.00	--	mg/kg
CF34-010	2083872.82	748244.18	0	0.5	Nickel	39.00	60	14.91	20400.00	--	mg/kg
CF34-010	2083872.82	748244.18	0	0.5	Pyrene	78.00	42	NA	22100000.00	--	ug/kg
CF34-010	2083872.82	748244.18	0	0.5	Strontium	230.00	250	48.94	613000.00	--	mg/kg
CF34-010	2083872.82	748244.18	0	0.5	Vanadium	84.00	100	45.59	7150.00	292	mg/kg
CF34-010	2083872.82	748244.18	0	0.5	Zinc	96.00	300	73.76	307000.00	--	mg/kg
CF34-011	2083869.59	748273.46	0	0.5	Arsenic	12.00	25	10.09	22.20	--	mg/kg
CF34-011	2083869.59	748273.46	0	0.5	Barium	615.00	150	141.26	26400.00	--	mg/kg
CF34-011	2083869.59	748273.46	0	0.5	Chromium	40.00	90	16.99	268.00	--	mg/kg
CF34-011	2083869.59	748273.46	0	0.5	Copper	230.00	300	18.06	40900.00	--	mg/kg
CF34-011	2083869.59	748273.46	0	0.5	Iron	32600.00	2500	18037	307000.00	--	mg/kg
CF34-011	2083869.59	748273.46	0	0.5	Nickel	39.00	60	14.91	20400.00	--	mg/kg
CF34-011	2083869.59	748273.46	0	0.5	Strontium	190.00	250	48.94	613000.00	--	mg/kg
CF34-011	2083869.59	748273.46	0	0.5	Vanadium	99.00	100	45.59	7150.00	292	mg/kg
CF34-011	2083869.59	748273.46	0	0.5	Zinc	120.00	300	73.76	307000.00	--	mg/kg
CF34-012	2083900	748317.5	0	0.5	Bis(2-Ethylhexyl)Phthalate	1500.00	75	NA	1970000.00	--	ug/kg
CF34-012	2083900	748317.5	0	0.5	Cobalt	38.80	0.084	10.91	1550.00	--	mg/kg
CF34-013	2083925.51	748381.71	0	0.5	Aluminum	20000.00	1.3	16902	228000.00	--	mg/kg
CF34-013	2083925.51	748381.71	0	0.5	Lithium	14.70	0.19	11.55	20400.00	--	mg/kg
CF34-014	2083890.06	748218.01	0	0.5	Lithium	11.60	0.19	11.55	20400.00	--	mg/kg
CF34-015	2083898.18	748252.28	0	0.5	Cobalt	13.80	0.082	10.91	1550.00	--	mg/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CF34-015	2083898.18	748252.28	0	0.5	Lithium	12.10	0.18	11.55	20400.00	--	mg/kg
CF34-016	2083913.18	748280.88	0	0.5	Lithium	12.60	0.2	11.55	20400.00	--	mg/kg
CF34-016	2083913.18	748280.88	0	0.5	Nickel	16.00	0.75	14.91	20400.00	--	mg/kg
CF34-016	2083913.18	748280.88	0	0.5	Strontium	58.20	0.0071	48.94	613000.00	--	mg/kg
CF34-018	2083918.91	748216.47	0	0.5	Arsenic	19.00	25	10.09	22.20	--	mg/kg
CF34-018	2083918.91	748216.47	0	0.5	Barium	465.00	150	141.26	26400.00	--	mg/kg
CF34-018	2083918.91	748216.47	0	0.5	Chromium	36.00	90	16.99	268.00	--	mg/kg
CF34-018	2083918.91	748216.47	0	0.5	Copper	703.00	300	18.06	40900.00	--	mg/kg
CF34-018	2083918.91	748216.47	0	0.5	Iron	32200.00	2500	18037	307000.00	--	mg/kg
<b>CF34-018</b>	<b>2083918.91</b>	<b>748216.47</b>	<b>0</b>	<b>0.5</b>	<b>Lead</b>	<b>1150.00</b>	<b>20</b>	<b>54.62</b>	<b>1000.00</b>	<b>97.7</b>	<b>mg/kg</b>
CF34-018	2083918.91	748216.47	0	0.5	Manganese	502.00	200	365.08	3480.00	--	mg/kg
CF34-018	2083918.91	748216.47	0	0.5	Nickel	37.00	60	14.91	20400.00	--	mg/kg
CF34-018	2083918.91	748216.47	0	0.5	Selenium	3.30	20	1.224	5110.00	--	mg/kg
CF34-018	2083918.91	748216.47	0	0.5	Strontium	200.00	250	48.94	613000.00	--	mg/kg
CF34-018	2083918.91	748216.47	0	0.5	Vanadium	120.00	100	45.59	7150.00	292	mg/kg
CF34-018	2083918.91	748216.47	0	0.5	Zinc	210.00	300	73.76	307000.00	--	mg/kg
CF34-019	2083942.05	748251.83	0	0.5	Arsenic	14.00	25	10.09	22.20	--	mg/kg
CF34-019	2083942.05	748251.83	0	0.5	Barium	546.00	150	141.26	26400.00	--	mg/kg
CF34-019	2083942.05	748251.83	0	0.5	Chromium	56.00	90	16.99	268.00	--	mg/kg
CF34-019	2083942.05	748251.83	0	0.5	Copper	220.00	300	18.06	40900.00	--	mg/kg
CF34-019	2083942.05	748251.83	0	0.5	Iron	40000.00	2500	18037	307000.00	--	mg/kg
CF34-019	2083942.05	748251.83	0	0.5	Manganese	675.00	200	365.08	3480.00	--	mg/kg
CF34-019	2083942.05	748251.83	0	0.5	Nickel	47.00	60	14.91	20400.00	--	mg/kg
CF34-019	2083942.05	748251.83	0	0.5	Strontium	170.00	250	48.94	613000.00	--	mg/kg
CF34-019	2083942.05	748251.83	0	0.5	Uranium-238	8.61	8	2	351.00	--	pCi/g
CF34-019	2083942.05	748251.83	0	0.5	Vanadium	135.00	100	45.59	7150.00	292	mg/kg
CF34-019	2083942.05	748251.83	0	0.5	Zinc	110.00	300	73.76	307000.00	--	mg/kg
CF34-020	2083895.88	748161.05	1	1.5	Barium	906.00	150	289.38	26400.00	--	mg/kg
CF34-020	2083895.88	748161.05	1	1.5	Copper	66.00	300	38.21	40900.00	--	mg/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CF34-020	2083895.88	748161.05	1	1.5	Strontium	293.00	250	211.38	613000.00	--	mg/kg
CF34-020	2083895.88	748161.05	1	1.5	Vanadium	101.00	100	88.49	7150.00	292	mg/kg
CF35-000	2083771.63	748543.15	0	0.5	Acetone	10.00	110	NA	10200000.00	211000	ug/kg
CF35-000	2083771.63	748543.15	0	0.5	Barium	685.00	150	141.26	26400.00	--	mg/kg
CF35-000	2083771.63	748543.15	0	0.5	Bis(2-Ethylhexyl)Phthalate	4900.00	76	NA	1970000.00	--	ug/kg
CF35-000	2083771.63	748543.15	0	0.5	Butyl Benzylphthalate	290.00	37	NA	147000000.00	--	ug/kg
CF35-000	2083771.63	748543.15	0	0.5	Chromium	36.00	90	16.99	268.00	--	mg/kg
CF35-000	2083771.63	748543.15	0	0.5	Cobalt	266.00	90	10.91	1550.00	--	mg/kg
CF35-000	2083771.63	748543.15	0	0.5	Copper	88.00	300	18.06	40900.00	--	mg/kg
CF35-000	2083771.63	748543.15	0	0.5	Iron	28800.00	2500	18037	307000.00	--	mg/kg
CF35-000	2083771.63	748543.15	0	0.5	Manganese	402.00	200	365.08	3480.00	--	mg/kg
CF35-000	2083771.63	748543.15	0	0.5	Nickel	32.00	60	14.91	20400.00	--	mg/kg
CF35-000	2083771.63	748543.15	0	0.5	Strontium	240.00	250	48.94	613000.00	--	mg/kg
CF35-000	2083771.63	748543.15	0	0.5	Vanadium	98.00	100	45.59	7150.00	292	mg/kg
CF35-000	2083771.63	748543.15	0	0.5	Zinc	110.00	300	73.76	307000.00	--	mg/kg
CF35-001	2083789.45	748572.93	0	0.5	Arsenic	19.20	0.67	10.09	22.20	--	mg/kg
CF35-001	2083789.45	748572.93	0	0.5	Cobalt	12.80	0.09	10.91	1550.00	--	mg/kg
CF35-001	2083789.45	748572.93	0	0.5	Nickel	15.00	0.74	14.91	20400.00	--	mg/kg
CF35-002	2083764.95	748476.54	0	0.5	Acenaphthene	110.00	52	NA	40800000.00	--	ug/kg
CF35-002	2083764.95	748476.54	0	0.5	Anthracene	160.00	87	NA	204000000.00	--	ug/kg
CF35-002	2083764.95	748476.54	0	0.5	Arsenic	12.00	25	10.09	22.20	--	mg/kg
CF35-002	2083764.95	748476.54	0	0.5	Barium	738.00	150	141.26	26400.00	--	mg/kg
CF35-002	2083764.95	748476.54	0	0.5	Benzo(A)Anthracene	640.00	44	NA	34900.00	--	ug/kg
CF35-002	2083764.95	748476.54	0	0.5	Benzo(A)Pyrene	530.00	110	NA	3490.00	--	ug/kg
CF35-002	2083764.95	748476.54	0	0.5	Benzo(B)Fluoranthene	470.00	110	NA	34900.00	--	ug/kg
CF35-002	2083764.95	748476.54	0	0.5	Benzo(K)Fluoranthene	560.00	100	NA	349000.00	--	ug/kg
CF35-002	2083764.95	748476.54	0	0.5	Chromium	55.00	90	16.99	268.00	--	mg/kg
CF35-002	2083764.95	748476.54	0	0.5	Chrysene	760.00	60	NA	3490000.00	--	ug/kg
CF35-002	2083764.95	748476.54	0	0.5	Copper	65.00	300	18.06	40900.00	--	mg/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CF35-002	2083764.95	748476.54	0	0.5	Dibenz(A,H)Anthracene	150.00	53	NA	3490.00	--	ug/kg
CF35-002	2083764.95	748476.54	0	0.5	Fluoranthene	920.00	94	NA	27200000.00	--	ug/kg
CF35-002	2083764.95	748476.54	0	0.5	Indeno(1,2,3-Cd)Pyrene	280.00	54	NA	34900.00	--	ug/kg
CF35-002	2083764.95	748476.54	0	0.5	Iron	24500.00	2500	18037	307000.00	--	mg/kg
CF35-002	2083764.95	748476.54	0	0.5	Nickel	34.00	60	14.91	20400.00	--	mg/kg
CF35-002	2083764.95	748476.54	0	0.5	Pyrene	1100.00	45	NA	22100000.00	--	ug/kg
CF35-002	2083764.95	748476.54	0	0.5	Strontium	160.00	250	48.94	613000.00	--	mg/kg
CF35-002	2083764.95	748476.54	0	0.5	Vanadium	134.00	100	45.59	7150.00	292	mg/kg
CF35-002	2083764.95	748476.54	0	0.5	Zinc	150.00	300	73.76	307000.00	--	mg/kg
CF35-003	2083789.06	748507.35	0	0.5	2-Methylnaphthalene	300.00	71	NA	20400000.00	--	ug/kg
CF35-003	2083789.06	748507.35	0	0.5	Acenaphthene	1100.00	55	NA	40800000.00	--	ug/kg
CF35-003	2083789.06	748507.35	0	0.5	Aluminum	21800.00	1.4	16902	228000.00	--	mg/kg
CF35-003	2083789.06	748507.35	0	0.5	Anthracene	1300.00	94	NA	204000000.00	--	ug/kg
CF35-003	2083789.06	748507.35	0	0.5	Barium	232.00	0.046	141.26	26400.00	--	mg/kg
CF35-003	2083789.06	748507.35	0	0.5	Benzo(A)Anthracene	2500.00	47	NA	34900.00	--	ug/kg
CF35-003	2083789.06	748507.35	0	0.5	Benzo(A)Pyrene	2300.00	110	NA	3490.00	--	ug/kg
CF35-003	2083789.06	748507.35	0	0.5	Benzo(B)Fluoranthene	1900.00	120	NA	34900.00	--	ug/kg
CF35-003	2083789.06	748507.35	0	0.5	Benzo(K)Fluoranthene	1900.00	110	NA	349000.00	--	ug/kg
CF35-003	2083789.06	748507.35	0	0.5	Chromium	19.80	0.063	16.99	268.00	--	mg/kg
CF35-003	2083789.06	748507.35	0	0.5	Chrysene	3000.00	64	NA	3490000.00	--	ug/kg
CF35-003	2083789.06	748507.35	0	0.5	Cobalt	12.30	0.093	10.91	1550.00	--	mg/kg
CF35-003	2083789.06	748507.35	0	0.5	Dibenz(A,H)Anthracene	650.00	57	NA	3490.00	--	ug/kg
CF35-003	2083789.06	748507.35	0	0.5	Dibenzofuran	490.00	99	NA	2950000.00	--	ug/kg
CF35-003	2083789.06	748507.35	0	0.5	Fluoranthene	4600.00	100	NA	27200000.00	--	ug/kg
CF35-003	2083789.06	748507.35	0	0.5	Fluorene	790.00	92	NA	40800000.00	--	ug/kg
CF35-003	2083789.06	748507.35	0	0.5	Indeno(1,2,3-Cd)Pyrene	1400.00	58	NA	34900.00	--	ug/kg
CF35-003	2083789.06	748507.35	0	0.5	Lithium	12.10	0.2	11.55	20400.00	--	mg/kg
CF35-003	2083789.06	748507.35	0	0.5	Naphthalene	730.00	84	NA	3090000.00	--	ug/kg
CF35-003	2083789.06	748507.35	0	0.5	Pyrene	5100.00	48	NA	22100000.00	--	ug/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CF35-003	2083789.06	748507.35	0	0.5	Strontium	132.00	0.0072	48.94	613000.00	--	mg/kg
CF35-003	2083789.06	748507.35	0	0.5	Vanadium	49.30	0.29	45.59	7150.00	292	mg/kg
CF35-004	2083806.49	748541.79	0	0.5	Aluminum	19500.00	1.3	16902	228000.00	--	mg/kg
CF35-004	2083806.49	748541.79	0	0.5	Benzo(A)Anthracene	170.00	44	NA	34900.00	--	ug/kg
CF35-004	2083806.49	748541.79	0	0.5	Benzo(A)Pyrene	190.00	110	NA	3490.00	--	ug/kg
CF35-004	2083806.49	748541.79	0	0.5	Benzo(B)Fluoranthene	150.00	110	NA	34900.00	--	ug/kg
CF35-004	2083806.49	748541.79	0	0.5	Benzo(K)Fluoranthene	170.00	100	NA	349000.00	--	ug/kg
CF35-004	2083806.49	748541.79	0	0.5	Chromium	18.10	0.058	16.99	268.00	--	mg/kg
CF35-004	2083806.49	748541.79	0	0.5	Chrysene	220.00	60	NA	3490000.00	--	ug/kg
CF35-004	2083806.49	748541.79	0	0.5	Fluoranthene	230.00	94	NA	27200000.00	--	ug/kg
CF35-004	2083806.49	748541.79	0	0.5	Indeno(1,2,3-Cd)Pyrene	130.00	54	NA	34900.00	--	ug/kg
CF35-004	2083806.49	748541.79	0	0.5	Lithium	12.00	0.19	11.55	20400.00	--	mg/kg
CF35-004	2083806.49	748541.79	0	0.5	Pyrene	280.00	45	NA	22100000.00	--	ug/kg
CF35-004	2083806.49	748541.79	0	0.5	Strontium	65.90	0.0067	48.94	613000.00	--	mg/kg
CF35-005	2083819.23	748567.70	0	0.5	Benzo(A)Anthracene	67.00	44	NA	34900.00	--	ug/kg
CF35-005	2083819.23	748567.70	0	0.5	Chrysene	86.00	60	NA	3490000.00	--	ug/kg
CF35-005	2083819.23	748567.70	0	0.5	Lithium	13.20	0.19	11.55	20400.00	--	mg/kg
CF35-006	2083808.38	748479.49	0	0.5	Butyl Benzylphthalate	140.00	39	NA	147000000.00	--	ug/kg
CF35-006	2083808.38	748479.49	0	0.5	Cobalt	15.90	0.088	10.91	1550.00	--	mg/kg
CF35-007	2083808.23	748514.67	0	0.5	Arsenic	15.00	25	10.09	22.20	--	mg/kg
CF35-007	2083808.23	748514.67	0	0.5	Barium	618.00	150	141.26	26400.00	--	mg/kg
CF35-007	2083808.23	748514.67	0	0.5	Bis(2-Ethylhexyl)Phthalate	780.00	77	NA	1970000.00	--	ug/kg
CF35-007	2083808.23	748514.67	0	0.5	Chromium	48.00	90	16.99	268.00	--	mg/kg
CF35-007	2083808.23	748514.67	0	0.5	Copper	69.00	300	18.06	40900.00	--	mg/kg
CF35-007	2083808.23	748514.67	0	0.5	Iron	38300.00	2500	18037	307000.00	--	mg/kg
CF35-007	2083808.23	748514.67	0	0.5	Manganese	847.00	200	365.08	3480.00	--	mg/kg
CF35-007	2083808.23	748514.67	0	0.5	Nickel	47.00	60	14.91	20400.00	--	mg/kg
CF35-007	2083808.23	748514.67	0	0.5	Strontium	190.00	250	48.94	613000.00	--	mg/kg
CF35-007	2083808.23	748514.67	0	0.5	Vanadium	122.00	100	45.59	7150.00	292	mg/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CF35-007	2083808.23	748514.67	0	0.5	Zinc	92.00	300	73.76	307000.00	--	mg/kg
CF35-008	2083837.92	748541.64	0	0.5	Aluminum	23000.00	1.5	16902	228000.00	--	mg/kg
CF35-008	2083837.92	748541.64	0	0.5	Benzo(A)Anthracene	160.00	48	NA	34900.00	--	ug/kg
CF35-008	2083837.92	748541.64	0	0.5	Benzo(A)Pyrene	170.00	110	NA	3490.00	--	ug/kg
CF35-008	2083837.92	748541.64	0	0.5	Benzo(B)Fluoranthene	130.00	120	NA	34900.00	--	ug/kg
CF35-008	2083837.92	748541.64	0	0.5	Benzo(K)Fluoranthene	150.00	110	NA	349000.00	--	ug/kg
CF35-008	2083837.92	748541.64	0	0.5	Beryllium	0.97	0.037	0.966	921.00	8.71	mg/kg
CF35-008	2083837.92	748541.64	0	0.5	Chromium	21.10	0.063	16.99	268.00	--	mg/kg
CF35-008	2083837.92	748541.64	0	0.5	Chrysene	160.00	65	NA	3490000.00	--	ug/kg
CF35-008	2083837.92	748541.64	0	0.5	Cobalt	15.50	0.094	10.91	1550.00	--	mg/kg
CF35-008	2083837.92	748541.64	0	0.5	Fluoranthene	270.00	100	NA	27200000.00	--	ug/kg
CF35-008	2083837.92	748541.64	0	0.5	Indeno(1,2,3-Cd)Pyrene	100.00	59	NA	34900.00	--	ug/kg
CF35-008	2083837.92	748541.64	0	0.5	Iron	18300.00	1.7	18037	307000.00	--	mg/kg
CF35-008	2083837.92	748541.64	0	0.5	Lithium	12.80	0.21	11.55	20400.00	--	mg/kg
CF35-008	2083837.92	748541.64	0	0.5	Nickel	20.00	0.77	14.91	20400.00	--	mg/kg
CF35-008	2083837.92	748541.64	0	0.5	Pyrene	270.00	49	NA	22100000.00	--	ug/kg
CF35-008	2083837.92	748541.64	0	0.5	Strontium	67.00	0.0073	48.94	613000.00	--	mg/kg
CF35-009	2083861.65	748569.06	0	0.5	Aluminum	20500.00	1.4	16902	228000.00	--	mg/kg
CF35-009	2083861.65	748569.06	0	0.5	Chromium	17.90	0.063	16.99	268.00	--	mg/kg
CF35-009	2083861.65	748569.06	0	0.5	Cobalt	12.50	0.093	10.91	1550.00	--	mg/kg
CF35-009	2083861.65	748569.06	0	0.5	Strontium	59.20	0.0072	48.94	613000.00	--	mg/kg
CF35-010	2083807.52	748411.56	0	0.5	Arsenic	15.00	25	10.09	22.20	--	mg/kg
CF35-010	2083807.52	748411.56	0	0.5	Barium	625.00	150	141.26	26400.00	--	mg/kg
CF35-010	2083807.52	748411.56	0	0.5	Chromium	61.00	90	16.99	268.00	--	mg/kg
CF35-010	2083807.52	748411.56	0	0.5	Copper	78.00	300	18.06	40900.00	--	mg/kg
CF35-010	2083807.52	748411.56	0	0.5	Iron	37500.00	2500	18037	307000.00	--	mg/kg
CF35-010	2083807.52	748411.56	0	0.5	Manganese	944.00	200	365.08	3480.00	--	mg/kg
CF35-010	2083807.52	748411.56	0	0.5	Nickel	46.00	60	14.91	20400.00	--	mg/kg
CF35-010	2083807.52	748411.56	0	0.5	Strontium	190.00	250	48.94	613000.00	--	mg/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CF35-010	2083807.52	748411.56	0	0.5	Vanadium	130.00	100	45.59	7150.00	292	mg/kg
CF35-010	2083807.52	748411.56	0	0.5	Zinc	96.00	300	73.76	307000.00	--	mg/kg
CF35-011	2083830.23	748445.83	0	0.5	2-Butanone	96.60	110	NA	192000000.00	433000	ug/kg
CF35-011	2083830.23	748445.83	0	0.5	4-Methyl-2-Pentanone	48.56	53	NA	164000000.00	--	ug/kg
CF35-011	2083830.23	748445.83	0	0.5	Acetone	409.14	530	NA	102000000.00	211000	ug/kg
CF35-011	2083830.23	748445.83	0	0.5	Barium	574.00	150	141.26	26400.00	--	mg/kg
CF35-011	2083830.23	748445.83	0	0.5	Benzo(A)Anthracene	96.00	50	NA	34900.00	--	ug/kg
CF35-011	2083830.23	748445.83	0	0.5	Butyl Benzylphthalate	1500.00	36	NA	147000000.00	--	ug/kg
CF35-011	2083830.23	748445.83	0	0.5	Chromium	52.00	90	16.99	268.00	--	mg/kg
CF35-011	2083830.23	748445.83	0	0.5	Chrysene	120.00	68	NA	3490000.00	--	ug/kg
CF35-011	2083830.23	748445.83	0	0.5	Cobalt	25.20	0.081	10.91	1550.00	--	mg/kg
CF35-011	2083830.23	748445.83	0	0.5	Copper	64.00	300	18.06	40900.00	--	mg/kg
CF35-011	2083830.23	748445.83	0	0.5	Fluoranthene	240.00	110	NA	272000000.00	--	ug/kg
CF35-011	2083830.23	748445.83	0	0.5	Iron	29800.00	2500	18037	307000.00	--	mg/kg
CF35-011	2083830.23	748445.83	0	0.5	Nickel	22.40	0.66	14.91	20400.00	--	mg/kg
CF35-011	2083830.23	748445.83	0	0.5	Nickel	38.00	60	14.91	20400.00	--	mg/kg
CF35-011	2083830.23	748445.83	0	0.5	Pyrene	65.00	42	NA	221000000.00	--	ug/kg
CF35-011	2083830.23	748445.83	0	0.5	Pyrene	240.00	51	NA	221000000.00	--	ug/kg
CF35-011	2083830.23	748445.83	0	0.5	Strontium	60.40	0.0063	48.94	613000.00	--	mg/kg
CF35-011	2083830.23	748445.83	0	0.5	Strontium	150.00	250	48.94	613000.00	--	mg/kg
CF35-011	2083830.23	748445.83	0	0.5	Vanadium	141.00	100	45.59	7150.00	292	mg/kg
CF35-011	2083830.23	748445.83	0	0.5	Zinc	100.00	300	73.76	307000.00	--	mg/kg
CF35-012	2083847.53	748479.49	0	0.5	4-Methyl-2-Pentanone	63.90	52	NA	164000000.00	--	ug/kg
CF35-012	2083847.53	748479.49	0	0.5	Acetone	12.17	100	NA	102000000.00	211000	ug/kg
CF35-012	2083847.53	748479.49	0	0.5	Barium	530.00	150	141.26	26400.00	--	mg/kg
CF35-012	2083847.53	748479.49	0	0.5	Chromium	111.00	0.058	16.99	268.00	--	mg/kg
CF35-012	2083847.53	748479.49	0	0.5	Cobalt	116.00	90	10.91	1550.00	--	mg/kg
CF35-012	2083847.53	748479.49	0	0.5	Copper	64.00	300	18.06	40900.00	--	mg/kg
CF35-012	2083847.53	748479.49	0	0.5	Iron	20200.00	2500	18037	307000.00	--	mg/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CF35-012	2083847.53	748479.49	0	0.5	Nickel	56.70	0.7	14.91	20400.00	--	mg/kg
CF35-012	2083847.53	748479.49	0	0.5	Nickel	20.00	60	14.91	20400.00	--	mg/kg
CF35-012	2083847.53	748479.49	0	0.5	Strontium	299.00	250	48.94	613000.00	--	mg/kg
CF35-012	2083847.53	748479.49	0	0.5	Zinc	100.00	300	73.76	307000.00	--	mg/kg
CF35-013	2083863.01	748509.19	0	0.5	Acetone	9.07	100	NA	102000000.00	211000	ug/kg
CF35-013	2083863.01	748509.19	0	0.5	Arsenic	11.00	25	10.09	22.20	--	mg/kg
CF35-013	2083863.01	748509.19	0	0.5	Barium	662.00	150	141.26	26400.00	--	mg/kg
CF35-013	2083863.01	748509.19	0	0.5	Bis(2-Ethylhexyl)Phthalate	410.00	71	NA	1970000.00	--	ug/kg
CF35-013	2083863.01	748509.19	0	0.5	Chromium	44.00	90	16.99	268.00	--	mg/kg
CF35-013	2083863.01	748509.19	0	0.5	Copper	100.00	300	18.06	40900.00	--	mg/kg
CF35-013	2083863.01	748509.19	0	0.5	Iron	32100.00	2500	18037	307000.00	--	mg/kg
CF35-013	2083863.01	748509.19	0	0.5	Manganese	908.00	200	365.08	3480.00	--	mg/kg
CF35-013	2083863.01	748509.19	0	0.5	Nickel	36.00	60	14.91	20400.00	--	mg/kg
CF35-013	2083863.01	748509.19	0	0.5	Strontium	230.00	250	48.94	613000.00	--	mg/kg
CF35-013	2083863.01	748509.19	0	0.5	Vanadium	87.00	100	45.59	7150.00	292	mg/kg
CF35-013	2083863.01	748509.19	0	0.5	Zinc	87.00	300	73.76	307000.00	--	mg/kg
CF35-014	2083885.11	748553.17	0	0.5	Benzo(A)Anthracene	57.00	41	NA	349000.00	--	ug/kg
CF35-014	2083885.11	748553.17	0	0.5	Chrysene	58.00	57	NA	3490000.00	--	ug/kg
CF35-015	2083896.00	748557.72	0	0.5	Barium	602.00	150	141.26	26400.00	--	mg/kg
CF35-015	2083896.00	748557.72	0	0.5	Chromium	51.00	90	16.99	268.00	--	mg/kg
CF35-015	2083896.00	748557.72	0	0.5	Copper	240.00	300	18.06	40900.00	--	mg/kg
CF35-015	2083896.00	748557.72	0	0.5	Iron	31400.00	2500	18037	307000.00	--	mg/kg
CF35-015	2083896.00	748557.72	0	0.5	Nickel	38.00	60	14.91	20400.00	--	mg/kg
CF35-015	2083896.00	748557.72	0	0.5	Strontium	190.00	250	48.94	613000.00	--	mg/kg
CF35-015	2083896.00	748557.72	0	0.5	Vanadium	116.00	100	45.59	7150.00	292	mg/kg
CF35-015	2083896.00	748557.72	0	0.5	Zinc	110.00	300	73.76	307000.00	--	mg/kg
CF35-016	2083816.35	748382.77	0	0.5	Acetone	12.19	110	NA	102000000.00	211000	ug/kg
CF35-016	2083816.35	748382.77	0	0.5	Arsenic	13.00	25	10.09	22.20	--	mg/kg
CF35-016	2083816.35	748382.77	0	0.5	Barium	635.00	150	141.26	26400.00	--	mg/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CF35-016	2083816.35	748382.77	0	0.5	Cadmium	1.70	85	1.612	962.00	--	mg/kg
CF35-016	2083816.35	748382.77	0	0.5	Chromium	43.00	90	16.99	268.00	--	mg/kg
CF35-016	2083816.35	748382.77	0	0.5	Copper	45.00	300	18.06	40900.00	--	mg/kg
CF35-016	2083816.35	748382.77	0	0.5	Iron	32600.00	2500	18037	307000.00	--	mg/kg
CF35-016	2083816.35	748382.77	0	0.5	Manganese	588.00	200	365.08	3480.00	--	mg/kg
CF35-016	2083816.35	748382.77	0	0.5	Nickel	37.00	60	14.91	20400.00	--	mg/kg
CF35-016	2083816.35	748382.77	0	0.5	Strontium	200.00	250	48.94	613000.00	--	mg/kg
CF35-016	2083816.35	748382.77	0	0.5	Vanadium	107.00	100	45.59	7150.00	292	mg/kg
CF35-016	2083816.35	748382.77	0	0.5	Zinc	86.00	300	73.76	307000.00	--	mg/kg
CF35-017	2083835.22	748414.89	0	0.5	Arsenic	12.00	25	10.09	22.20	--	mg/kg
CF35-017	2083835.22	748414.89	0	0.5	Barium	589.00	150	141.26	26400.00	--	mg/kg
CF35-017	2083835.22	748414.89	0	0.5	Butyl Benzylphthalate	45.00	38	NA	147000000.00	--	ug/kg
CF35-017	2083835.22	748414.89	0	0.5	Chromium	42.00	90	16.99	268.00	--	mg/kg
CF35-017	2083835.22	748414.89	0	0.5	Copper	87.00	300	18.06	40900.00	--	mg/kg
CF35-017	2083835.22	748414.89	0	0.5	Iron	33700.00	2500	18037	307000.00	--	mg/kg
CF35-017	2083835.22	748414.89	0	0.5	Manganese	675.00	200	365.08	3480.00	--	mg/kg
CF35-017	2083835.22	748414.89	0	0.5	Nickel	41.00	60	14.91	20400.00	--	mg/kg
CF35-017	2083835.22	748414.89	0	0.5	Strontium	200.00	250	48.94	613000.00	--	mg/kg
CF35-017	2083835.22	748414.89	0	0.5	Vanadium	111.00	100	45.59	7150.00	292	mg/kg
CF35-017	2083835.22	748414.89	0	0.5	Zinc	90.00	300	73.76	307000.00	--	mg/kg
CF35-018	2083860.85	748444.81	0	0.5	2-Butanone	32.73	100	NA	192000000.00	433000	ug/kg
CF35-018	2083860.85	748444.81	0	0.5	Acetone	68.21	100	NA	102000000.00	211000	ug/kg
CF35-018	2083860.85	748444.81	0	0.5	Aluminum	18600.00	1.2	16902	228000.00	--	mg/kg
CF35-018	2083860.85	748444.81	0	0.5	Butyl Benzylphthalate	1500.00	35	NA	147000000.00	--	ug/kg
CF35-018	2083860.85	748444.81	0	0.5	Chromium	18.00	0.053	16.99	268.00	--	mg/kg
CF35-018	2083860.85	748444.81	0	0.5	Cobalt	16.70	0.079	10.91	1550.00	--	mg/kg
CF35-018	2083860.85	748444.81	0	0.5	Lithium	14.10	0.17	11.55	20400.00	--	mg/kg
CF35-018	2083860.85	748444.81	0	0.5	Nickel	16.70	0.65	14.91	20400.00	--	mg/kg
CF35-020	2083897.79	748515.62	0	0.5	Arsenic	11.00	25	10.09	22.20	--	mg/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CF35-020	2083897.79	748515.62	0	0.5	Barium	639.00	150	141.26	26400.00	--	mg/kg
CF35-020	2083897.79	748515.62	0	0.5	Bis(2-Ethylhexyl)Phthalate	110.00	75	NA	1970000.00	--	ug/kg
CF35-020	2083897.79	748515.62	0	0.5	Butyl Benzylphthalate	150.00	37	NA	147000000.00	--	ug/kg
CF35-020	2083897.79	748515.62	0	0.5	Chromium	44.00	90	16.99	268.00	--	mg/kg
CF35-020	2083897.79	748515.62	0	0.5	Copper	68.00	300	18.06	40900.00	--	mg/kg
CF35-020	2083897.79	748515.62	0	0.5	Iron	34100.00	2500	18037	307000.00	--	mg/kg
CF35-020	2083897.79	748515.62	0	0.5	Manganese	870.00	200	365.08	3480.00	--	mg/kg
CF35-020	2083897.79	748515.62	0	0.5	Nickel	39.00	60	14.91	20400.00	--	mg/kg
CF35-020	2083897.79	748515.62	0	0.5	Strontium	230.00	250	48.94	613000.00	--	mg/kg
CF35-020	2083897.79	748515.62	0	0.5	Uranium-238	8.36	8	2	351.00	--	pCi/g
CF35-020	2083897.79	748515.62	0	0.5	Vanadium	91.00	100	45.59	7150.00	292	mg/kg
CF35-020	2083897.79	748515.62	0	0.5	Zinc	86.00	300	73.76	307000.00	--	mg/kg
CF35-021	2083914.00	748526.54	0	0.5	Anthracene	110.00	100	NA	204000000.00	--	ug/kg
CF35-021	2083914.00	748526.54	0	0.5	Barium	651.00	150	141.26	26400.00	--	mg/kg
CF35-021	2083914.00	748526.54	0	0.5	Benzo(A)Anthracene	450.00	52	NA	34900.00	--	ug/kg
CF35-021	2083914.00	748526.54	0	0.5	Benzo(A)Pyrene	490.00	120	NA	3490.00	--	ug/kg
CF35-021	2083914.00	748526.54	0	0.5	Benzo(B)Fluoranthene	380.00	130	NA	34900.00	--	ug/kg
CF35-021	2083914.00	748526.54	0	0.5	Benzo(K)Fluoranthene	410.00	120	NA	349000.00	--	ug/kg
CF35-021	2083914.00	748526.54	0	0.5	Chromium	44.00	90	16.99	268.00	--	mg/kg
CF35-021	2083914.00	748526.54	0	0.5	Chrysene	630.00	71	NA	3490000.00	--	ug/kg
CF35-021	2083914.00	748526.54	0	0.5	Copper	79.00	300	18.06	40900.00	--	mg/kg
CF35-021	2083914.00	748526.54	0	0.5	Fluoranthene	770.00	110	NA	27200000.00	--	ug/kg
CF35-021	2083914.00	748526.54	0	0.5	Indeno(1,2,3-Cd)Pyrene	260.00	64	NA	34900.00	--	ug/kg
CF35-021	2083914.00	748526.54	0	0.5	Iron	25400.00	2500	18037	307000.00	--	mg/kg
CF35-021	2083914.00	748526.54	0	0.5	Nickel	30.00	60	14.91	20400.00	--	mg/kg
CF35-021	2083914.00	748526.54	0	0.5	Pyrene	790.00	53	NA	22100000.00	--	ug/kg
CF35-021	2083914.00	748526.54	0	0.5	Strontium	160.00	250	48.94	613000.00	--	mg/kg
CF35-021	2083914.00	748526.54	0	0.5	Toluene	6.51	6.7	NA	31300000.00	329000	ug/kg
CF35-021	2083914.00	748526.54	0	0.5	Vanadium	114.00	100	45.59	7150.00	292	mg/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CF35-021	2083914.00	748526.54	0	0.5	Zinc	100.00	300	73.76	307000.00	--	mg/kg
CF35-022	2083858.52	748381.63	0	0.5	Arsenic	13.00	25	10.09	22.20	--	mg/kg
CF35-022	2083858.52	748381.63	0	0.5	Barium	581.00	150	141.26	26400.00	--	mg/kg
CF35-022	2083858.52	748381.63	0	0.5	Benzo(A)Anthracene	91.00	41	NA	34900.00	--	ug/kg
CF35-022	2083858.52	748381.63	0	0.5	Benzo(A)Pyrene	110.00	98	NA	3490.00	--	ug/kg
CF35-022	2083858.52	748381.63	0	0.5	Chromium	37.00	90	16.99	268.00	--	mg/kg
CF35-022	2083858.52	748381.63	0	0.5	Chrysene	130.00	55	NA	3490000.00	--	ug/kg
CF35-022	2083858.52	748381.63	0	0.5	Copper	94.00	300	18.06	40900.00	--	mg/kg
CF35-022	2083858.52	748381.63	0	0.5	Fluoranthene	190.00	87	NA	27200000.00	--	ug/kg
CF35-022	2083858.52	748381.63	0	0.5	Indeno(1,2,3-Cd)Pyrene	53.00	50	NA	34900.00	--	ug/kg
CF35-022	2083858.52	748381.63	0	0.5	Iron	31900.00	2500	18037	307000.00	--	mg/kg
CF35-022	2083858.52	748381.63	0	0.5	Manganese	534.00	200	365.08	3480.00	--	mg/kg
CF35-022	2083858.52	748381.63	0	0.5	Nickel	35.00	60	14.91	20400.00	--	mg/kg
CF35-022	2083858.52	748381.63	0	0.5	Pyrene	210.00	42	NA	22100000.00	--	ug/kg
CF35-022	2083858.52	748381.63	0	0.5	Strontium	220.00	250	48.94	613000.00	--	mg/kg
CF35-022	2083858.52	748381.63	0	0.5	Vanadium	101.00	100	45.59	7150.00	292	mg/kg
CF35-022	2083858.52	748381.63	0	0.5	Zinc	87.00	300	73.76	307000.00	--	mg/kg
CF35-023	2083878.05	748418.41	0	0.5	Acetone	4.43	110	NA	102000000.00	211000	ug/kg
CF35-023	2083878.05	748418.41	0	0.5	Barium	562.00	150	141.26	26400.00	--	mg/kg
CF35-023	2083878.05	748418.41	0	0.5	Chromium	50.00	90	16.99	268.00	--	mg/kg
CF35-023	2083878.05	748418.41	0	0.5	Copper	67.00	300	18.06	40900.00	--	mg/kg
CF35-023	2083878.05	748418.41	0	0.5	Iron	32000.00	2500	18037	307000.00	--	mg/kg
CF35-023	2083878.05	748418.41	0	0.5	Manganese	505.00	200	365.08	3480.00	--	mg/kg
CF35-023	2083878.05	748418.41	0	0.5	Nickel	37.00	60	14.91	20400.00	--	mg/kg
CF35-023	2083878.05	748418.41	0	0.5	Strontium	277.00	250	48.94	613000.00	--	mg/kg
CF35-023	2083878.05	748418.41	0	0.5	Vanadium	92.00	100	45.59	7150.00	292	mg/kg
CF35-023	2083878.05	748418.41	0	0.5	Zinc	89.00	300	73.76	307000.00	--	mg/kg
CF35-024	2083898.60	748451.59	0	0.5	Arsenic	11.00	25	10.09	22.20	--	mg/kg
CF35-024	2083898.60	748451.59	0	0.5	Barium	629.00	150	141.26	26400.00	--	mg/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CF35-024	2083898.60	748451.59	0	0.5	Benzo(A)Anthracene	52.00	43	NA	34900.00	--	ug/kg
CF35-024	2083898.60	748451.59	0	0.5	Chromium	47.00	90	16.99	268.00	--	mg/kg
CF35-024	2083898.60	748451.59	0	0.5	Chrysene	75.00	59	NA	3490000.00	--	ug/kg
CF35-024	2083898.60	748451.59	0	0.5	Copper	99.00	300	18.06	40900.00	--	mg/kg
CF35-024	2083898.60	748451.59	0	0.5	Iron	34100.00	2500	18037	307000.00	--	mg/kg
CF35-024	2083898.60	748451.59	0	0.5	Manganese	521.00	200	365.08	3480.00	--	mg/kg
CF35-024	2083898.60	748451.59	0	0.5	Nickel	41.00	60	14.91	20400.00	--	mg/kg
CF35-024	2083898.60	748451.59	0	0.5	Pyrene	100.00	44	NA	22100000.00	--	ug/kg
CF35-024	2083898.60	748451.59	0	0.5	Strontium	190.00	250	48.94	613000.00	--	mg/kg
CF35-024	2083898.60	748451.59	0	0.5	Vanadium	123.00	100	45.59	7150.00	292	mg/kg
CF35-024	2083898.60	748451.59	0	0.5	Zinc	100.00	300	73.76	307000.00	--	mg/kg
CF35-025	2083912.93	748466.42	0	0.5	Barium	598.00	150	141.26	26400.00	--	mg/kg
CF35-025	2083912.93	748466.42	0	0.5	Bis(2-Ethylhexyl)Phthalate	230.00	71	NA	1970000.00	--	ug/kg
CF35-025	2083912.93	748466.42	0	0.5	Cadmium	1.80	85	1.612	962.00	--	mg/kg
CF35-025	2083912.93	748466.42	0	0.5	Cobalt	157.00	90	10.91	1550.00	--	mg/kg
CF35-025	2083912.93	748466.42	0	0.5	Copper	66.00	300	18.06	40900.00	--	mg/kg
CF35-025	2083912.93	748466.42	0	0.5	Ethylbenzene	9.48	5.3	NA	4250000.00	--	ug/kg
CF35-025	2083912.93	748466.42	0	0.5	Nickel	15.00	60	14.91	20400.00	--	mg/kg
CF35-025	2083912.93	748466.42	0	0.5	Pyrene	57.00	41	NA	22100000.00	--	ug/kg
CF35-025	2083912.93	748466.42	0	0.5	Strontium	275.00	250	48.94	613000.00	--	mg/kg
CF35-025	2083912.93	748466.42	0	0.5	Toluene	0.62	5.3	NA	31300000.00	329000	ug/kg
CF35-025	2083912.93	748466.42	0	0.5	Xylenes (Total)	108.08	11	NA	100000000.00	--	ug/kg
CF35-026	2083939.52	7485100.19	0	0.5	Barium	614.00	150	141.26	26400.00	--	mg/kg
CF35-026	2083939.52	7485100.19	0	0.5	Butyl Benzylphthalate	490.00	35	NA	147000000.00	--	ug/kg
CF35-026	2083939.52	7485100.19	0	0.5	Chromium	33.00	90	16.99	268.00	--	mg/kg
CF35-026	2083939.52	7485100.19	0	0.5	Cobalt	61.00	90	10.91	1550.00	--	mg/kg
CF35-026	2083939.52	7485100.19	0	0.5	Copper	58.00	300	18.06	40900.00	--	mg/kg
CF35-026	2083939.52	7485100.19	0	0.5	Iron	27400.00	2500	18037	307000.00	--	mg/kg
CF35-026	2083939.52	7485100.19	0	0.5	Manganese	483.00	200	365.08	3480.00	--	mg/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CF35-026	2083939.52	7485100.19	0	0.5	Nickel	21.00	60	14.91	20400.00	--	mg/kg
CF35-026	2083939.52	7485100.19	0	0.5	Strontium	266.00	250	48.94	613000.00	--	mg/kg
CF35-026	2083939.52	7485100.19	0	0.5	Zinc	74.00	300	73.76	307000.00	--	mg/kg
CF35-027	2083896.58	748383.28	0	0.5	Bis(2-Ethylhexyl)Phthalate	500.00	74	NA	1970000.00	--	ug/kg
CF35-027	2083896.58	748383.28	0	0.5	Butyl Benzylphthalate	1800.00	37	NA	147000000.00	--	ug/kg
CF35-027	2083896.58	748383.28	0	0.5	Cobalt	137.00	0.083	10.91	1550.00	--	mg/kg
CF35-027	2083896.58	748383.28	0	0.5	Fluoranthene	170.00	90	NA	27200000.00	--	ug/kg
CF35-027	2083896.58	748383.28	0	0.5	Pyrene	170.00	43	NA	22100000.00	--	ug/kg
CF35-028	2083918.55	748410.74	0	0.5	Chromium	17.10	0.056	16.99	268.00	--	mg/kg
CF35-029	2083930.02	748439.44	0	0.5	Barium	520.00	150	141.26	26400.00	--	mg/kg
CF35-029	2083930.02	748439.44	0	0.5	Chromium	51.00	90	16.99	268.00	--	mg/kg
CF35-029	2083930.02	748439.44	0	0.5	Copper	75.00	300	18.06	40900.00	--	mg/kg
CF35-029	2083930.02	748439.44	0	0.5	Iron	30500.00	2500	18037	307000.00	--	mg/kg
CF35-029	2083930.02	748439.44	0	0.5	Manganese	492.00	200	365.08	3480.00	--	mg/kg
CF35-029	2083930.02	748439.44	0	0.5	Nickel	36.00	60	14.91	20400.00	--	mg/kg
CF35-029	2083930.02	748439.44	0	0.5	Strontium	180.00	250	48.94	613000.00	--	mg/kg
CF35-029	2083930.02	748439.44	0	0.5	Vanadium	74.00	100	45.59	7150.00	292	mg/kg
CF35-029	2083930.02	748439.44	0	0.5	Zinc	77.00	300	73.76	307000.00	--	mg/kg
CF35-030	2083932.73	748364.22	0	0.5	Arsenic	14.00	25	10.09	22.20	--	mg/kg
CF35-030	2083932.73	748364.22	0	0.5	Barium	648.00	150	141.26	26400.00	--	mg/kg
CF35-030	2083932.73	748364.22	0	0.5	Cadmium	2.00	85	1.612	962.00	--	mg/kg
CF35-030	2083932.73	748364.22	0	0.5	Chromium	40.00	90	16.99	268.00	--	mg/kg
CF35-030	2083932.73	748364.22	0	0.5	Copper	190.00	300	18.06	40900.00	--	mg/kg
CF35-030	2083932.73	748364.22	0	0.5	Iron	37000.00	2500	18037	307000.00	--	mg/kg
CF35-030	2083932.73	748364.22	0	0.5	Manganese	391.00	200	365.08	3480.00	--	mg/kg
CF35-030	2083932.73	748364.22	0	0.5	Nickel	46.00	60	14.91	20400.00	--	mg/kg
CF35-030	2083932.73	748364.22	0	0.5	Strontium	180.00	250	48.94	613000.00	--	mg/kg
CF35-030	2083932.73	748364.22	0	0.5	Vanadium	124.00	100	45.59	7150.00	292	mg/kg
CF35-030	2083932.73	748364.22	0	0.5	Zinc	96.00	300	73.76	307000.00	--	mg/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CF35-031	2083932.00	748558.00	0	0.5	Barium	616.00	150	141.26	26400.00	--	mg/kg
CF35-031	2083932.00	748558.00	0	0.5	Chromium	49.00	90	16.99	268.00	--	mg/kg
CF35-031	2083932.00	748558.00	0	0.5	Copper	80.00	300	18.06	40900.00	--	mg/kg
CF35-031	2083932.00	748558.00	0	0.5	Iron	25800.00	2500	18037	307000.00	--	mg/kg
CF35-031	2083932.00	748558.00	0	0.5	Nickel	29.00	60	14.91	20400.00	--	mg/kg
CF35-031	2083932.00	748558.00	0	0.5	Strontium	140.00	250	48.94	613000.00	--	mg/kg
CF35-031	2083932.00	748558.00	0	0.5	Toluene	154.61	11	NA	31300000.00	329000	ug/kg
CF35-031	2083932.00	748558.00	0	0.5	Vanadium	109.00	100	45.59	7150.00	292	mg/kg
CF35-031	2083932.00	748558.00	0	0.5	Zinc	100.00	300	73.76	307000.00	--	mg/kg
CF35-032	2083754.20	748570.89	0	0.5	Barium	601.00	150	141.26	26400.00	--	mg/kg
CF35-032	2083754.20	748570.89	0	0.5	Bis(2-Ethylhexyl)Phthalate	310.00	81	NA	1970000.00	--	ug/kg
CF35-032	2083754.20	748570.89	0	0.5	Butyl Benzylphthalate	420.00	40	NA	14700000.00	--	ug/kg
CF35-032	2083754.20	748570.89	0	0.5	Chromium	30.00	90	16.99	268.00	--	mg/kg
CF35-032	2083754.20	748570.89	0	0.5	Strontium	110.00	250	48.94	613000.00	--	mg/kg
CF35-032	2083754.20	748570.89	0	0.5	Vanadium	50.00	100	45.59	7150.00	292	mg/kg
CF35-033	2083753.81	748510.06	0	0.5	Barium	705.00	150	141.26	26400.00	--	mg/kg
CF35-033	2083753.81	748510.06	0	0.5	Benzo(A)Anthracene	53.00	39	NA	34900.00	--	ug/kg
CF35-033	2083753.81	748510.06	0	0.5	Chromium	63.00	90	16.99	268.00	--	mg/kg
CF35-033	2083753.81	748510.06	0	0.5	Chrysene	73.00	53	NA	3490000.00	--	ug/kg
CF35-033	2083753.81	748510.06	0	0.5	Copper	40.00	300	18.06	40900.00	--	mg/kg
CF35-033	2083753.81	748510.06	0	0.5	Fluoranthene	96.00	84	NA	27200000.00	--	ug/kg
CF35-033	2083753.81	748510.06	0	0.5	Iron	21600.00	2500	18037	307000.00	--	mg/kg
CF35-033	2083753.81	748510.06	0	0.5	Nickel	24.00	60	14.91	20400.00	--	mg/kg
CF35-033	2083753.81	748510.06	0	0.5	Pyrene	100.00	40	NA	22100000.00	--	ug/kg
CF35-033	2083753.81	748510.06	0	0.5	Strontium	210.00	250	48.94	613000.00	--	mg/kg
CF35-033	2083753.81	748510.06	0	0.5	Vanadium	168.00	100	45.59	7150.00	292	mg/kg
CF35-033	2083753.81	748510.06	0	0.5	Zinc	85.00	300	73.76	307000.00	--	mg/kg
CF35-034	2083753.52	748447.96	0	0.5	Barium	955.00	150	141.26	26400.00	--	mg/kg
CF35-034	2083753.52	748447.96	0	0.5	Benzo(A)Anthracene	130.00	44	NA	34900.00	--	ug/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CF35-034	2083753.52	748447.96	0	0.5	Benzo(A)Pyrene	120.00	110	NA	3490.00	--	ug/kg
CF35-034	2083753.52	748447.96	0	0.5	Cadmium	2.60	85	1.612	962.00	--	mg/kg
CF35-034	2083753.52	748447.96	0	0.5	Chromium	60.00	90	16.99	268.00	--	mg/kg
CF35-034	2083753.52	748447.96	0	0.5	Chrysene	130.00	60	NA	3490000.00	--	ug/kg
CF35-034	2083753.52	748447.96	0	0.5	Copper	170.00	300	18.06	40900.00	--	mg/kg
CF35-034	2083753.52	748447.96	0	0.5	Fluoranthene	170.00	95	NA	27200000.00	--	ug/kg
CF35-034	2083753.52	748447.96	0	0.5	Indeno(1,2,3-Cd)Pyrene	58.00	54	NA	34900.00	--	ug/kg
CF35-034	2083753.52	748447.96	0	0.5	Iron	31100.00	2500	18037	307000.00	--	mg/kg
CF35-034	2083753.52	748447.96	0	0.5	Manganese	376.00	200	365.08	3480.00	--	mg/kg
CF35-034	2083753.52	748447.96	0	0.5	Nickel	47.00	60	14.91	20400.00	--	mg/kg
CF35-034	2083753.52	748447.96	0	0.5	Pyrene	180.00	45	NA	22100000.00	--	ug/kg
CF35-034	2083753.52	748447.96	0	0.5	Strontium	190.00	250	48.94	613000.00	--	mg/kg
CF35-034	2083753.52	748447.96	0	0.5	Vanadium	104.00	100	45.59	7150.00	292	mg/kg
CF35-034	2083753.52	748447.96	0	0.5	Zinc	160.00	300	73.76	307000.00	--	mg/kg
CF35-035	2083787.48	748455.70	0	0.5	2-Methylnaphthalene	540.00	65	NA	20400000.00	--	ug/kg
CF35-035	2083787.48	748455.70	0	0.5	Acenaphthene	3100.00	51	NA	40800000.00	--	ug/kg
CF35-035	2083787.48	748455.70	0	0.5	Anthracene	5700.00	87	NA	204000000.00	--	ug/kg
CF35-035	2083787.48	748455.70	0	0.5	Barium	1450.00	150	141.26	26400.00	--	mg/kg
CF35-035	2083787.48	748455.70	0	0.5	Benzo(A)Anthracene	16000.00	170	NA	34900.00	--	ug/kg
CF35-035	2083787.48	748455.70	0	0.5	Benzo(A)Pyrene	15000.00	420	NA	3490.00	--	ug/kg
CF35-035	2083787.48	748455.70	0	0.5	Benzo(B)Fluoranthene	11000.00	440	NA	34900.00	--	ug/kg
CF35-035	2083787.48	748455.70	0	0.5	Benzo(K)Fluoranthene	13000.00	410	NA	3490000.00	--	ug/kg
CF35-035	2083787.48	748455.70	0	0.5	Chromium	27.00	90	16.99	268.00	--	mg/kg
CF35-035	2083787.48	748455.70	0	0.5	Chrysene	17000.00	240	NA	3490000.00	--	ug/kg
CF35-035	2083787.48	748455.70	0	0.5	Copper	22.00	300	18.06	40900.00	--	mg/kg
CF35-035	2083787.48	748455.70	0	0.5	Dibenz(A,H)Anthracene	3400.00	52	NA	3490.00	--	ug/kg
CF35-035	2083787.48	748455.70	0	0.5	Dibenzofuran	1100.00	91	NA	2950000.00	--	ug/kg
CF35-035	2083787.48	748455.70	0	0.5	Fluoranthene	30000.00	370	NA	27200000.00	--	ug/kg
CF35-035	2083787.48	748455.70	0	0.5	Fluorene	2100.00	84	NA	40800000.00	--	ug/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CF35-035	2083787.48	748455.70	0	0.5	Indeno(1,2,3-Cd)Pyrene	7100.00	53	NA	34900.00	--	ug/kg
CF35-035	2083787.48	748455.70	0	0.5	Naphthalene	98.93	5.6	NA	3090000.00	--	ug/kg
CF35-035	2083787.48	748455.70	0	0.5	Naphthalene	550.00	78	NA	3090000.00	--	ug/kg
CF35-035	2083787.48	748455.70	0	0.5	Pyrene	30000.00	180	NA	22100000.00	--	ug/kg
CF35-035	2083787.48	748455.70	0	0.5	Strontium	180.00	250	48.94	613000.00	--	mg/kg
CF35-035	2083787.48	748455.70	0	0.5	Uranium-238	9.60	8	2	351.00	--	pCi/g
CF35-037	2083787.24	74841075	0	0.08	Acenaphthene	210	45	NA	40800000.00	--	ug/kg
CF35-037	2083787.24	74841075	0	0.08	Anthracene	620	65	NA	204000000.00	--	ug/kg
CF35-037	2083787.24	74841075	0	0.08	Arsenic	16.4	5	10.09	22.20	--	mg/kg
CF35-037	2083787.24	74841075	0	0.08	Barium	922	98	289.38	26400.00	--	mg/kg
CF35-037	2083787.24	74841075	0	0.08	Benzo(A)Anthracene	3200	39	NA	34900.00	--	ug/kg
CF35-037	2083787.24	74841075	0	0.08	Benzo(A)Pyrene	3100	51	NA	3490.00	--	ug/kg
CF35-037	2083787.24	74841075	0	0.08	Benzo(B)Fluoranthene	2900	63	NA	34900.00	--	ug/kg
CF35-037	2083787.24	74841075	0	0.08	Benzo(K)Fluoranthene	2800	68	NA	349000.00	--	ug/kg
CF35-037	2083787.24	74841075	0	0.08	Bis(2-Ethylhexyl)Phthalate	390	70	NA	1970000.00	--	ug/kg
CF35-037	2083787.24	74841075	0	0.08	Chromium	54.9	20	16.99	268.00	--	mg/kg
CF35-037	2083787.24	74841075	0	0.08	Chrysene	3200	34	NA	3490000.00	--	ug/kg
CF35-037	2083787.24	74841075	0	0.08	Copper	81.8	4	38.21	40900.00	--	mg/kg
CF35-037	2083787.24	74841075	0	0.08	Dibenz(A,H)Anthracene	950	62	NA	3490.00	--	ug/kg
CF35-037	2083787.24	74841075	0	0.08	Fluoranthene	5800	39	NA	27200000.00	--	ug/kg
CF35-037	2083787.24	74841075	0	0.08	Fluorene	260	54	NA	40800000.00	--	ug/kg
CF35-037	2083787.24	74841075	0	0.08	Indeno(1,2,3-Cd)Pyrene	2000	44	NA	34900.00	--	ug/kg
CF35-037	2083787.24	74841075	0	0.08	Iron	29100	2190	18037	307000.00	--	mg/kg
<b>CF35-037</b>	<b>2083787.24</b>	<b>74841075</b>	<b>0</b>	<b>0.08</b>	<b>Lead</b>	<b>115</b>	<b>7</b>	<b>24.97</b>	<b>1000.00</b>	<b>97.7</b>	<b>mg/kg</b>
CF35-037	2083787.24	74841075	0	0.08	Methylene Chloride	0.97	0.81	NA	2530000	40000	ug/kg
CF35-037	2083787.24	74841075	0	0.08	Nickel	32	12	14.91	20400.00	--	mg/kg
CF35-037	2083787.24	74841075	0	0.08	Pyrene	5900	56	NA	22100000.00	--	ug/kg
CF35-037	2083787.24	74841075	0	0.08	Strontium	238	20	211.38	613000.00	--	mg/kg
CF35-037	2083787.24	74841075	0	0.08	Tetrachloroethene	1.3	1	NA	615000	--	ug/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CF35-037	2083787.24	74841075	0	0.08	Tin	5.8	4	NA	613000000	--	mg/kg
CF35-037	2083787.24	74841075	0	0.08	Vanadium	106	31	88.49	7150.00	292	mg/kg
CF35-037	2083787.24	74841075	0	0.08	Zinc	471	9	139.1	307000.00	--	mg/kg
CF36-000	2083767.57	748600.58	14.5	16.5	Barium	834.00	150	289.38	26400.00	--	mg/kg
CF36-000	2083767.57	748600.58	14.5	16.5	Copper	81.00	300	38.21	40900.00	--	mg/kg
CF36-000	2083767.57	748600.58	14.5	16.5	Vanadium	197.00	100	88.49	7150.00	292	mg/kg
CG34-000	2083946.84	748341.02	0	0.5	Lithium	12.50	0.18	11.55	20400.00	--	mg/kg
CG34-001	2083950.00	748277.13	0	0.5	Arsenic	12.00	25	10.09	22.20	--	mg/kg
CG34-001	2083950.00	748277.13	0	0.5	Barium	605.00	150	141.26	26400.00	--	mg/kg
CG34-001	2083950.00	748277.13	0	0.5	Chromium	38.00	90	16.99	268.00	--	mg/kg
CG34-001	2083950.00	748277.13	0	0.5	Copper	79.00	300	18.06	40900.00	--	mg/kg
CG34-001	2083950.00	748277.13	0	0.5	Iron	33000.00	2500	18037	307000.00	--	mg/kg
CG34-001	2083950.00	748277.13	0	0.5	Manganese	540.00	200	365.08	3480.00	--	mg/kg
CG34-001	2083950.00	748277.13	0	0.5	Nickel	44.00	60	14.91	20400.00	--	mg/kg
CG34-001	2083950.00	748277.13	0	0.5	Strontium	210.00	250	48.94	613000.00	--	mg/kg
CG34-001	2083950.00	748277.13	0	0.5	Vanadium	92.00	100	45.59	7150.00	292	mg/kg
CG34-001	2083950.00	748277.13	0	0.5	Zinc	93.00	300	73.76	307000.00	--	mg/kg
CG34-003	2083996	748333	0	0.5	Barium	570.00	150	141.26	26400.00	--	mg/kg
CG34-003	2083996	748333	0	0.5	Bis(2-Ethylhexyl)Phthalate	190.00	76	NA	1970000.00	--	ug/kg
CG34-003	2083996	748333	0	0.5	Chromium	54.00	90	16.99	268.00	--	mg/kg
CG34-003	2083996	748333	0	0.5	Copper	150.00	300	18.06	40900.00	--	mg/kg
CG34-003	2083996	748333	0	0.5	Iron	43600.00	2500	18037	307000.00	--	mg/kg
CG34-003	2083996	748333	0	0.5	Manganese	542.00	200	365.08	3480.00	--	mg/kg
CG34-003	2083996	748333	0	0.5	Nickel	46.00	60	14.91	20400.00	--	mg/kg
CG34-003	2083996	748333	0	0.5	Strontium	190.00	250	48.94	613000.00	--	mg/kg
CG34-003	2083996	748333	0	0.5	Vanadium	133.00	100	45.59	7150.00	292	mg/kg
CG34-003	2083996	748333	0	0.5	Zinc	120.00	300	73.76	307000.00	--	mg/kg
CG34-004	2083955.83	748220.52	0	0.5	Arsenic	14.00	25	10.09	22.20	--	mg/kg
CG34-004	2083955.83	748220.52	0	0.5	Barium	485.00	150	141.26	26400.00	--	mg/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CG34-004	2083955.83	748220.52	0	0.5	Chromium	43.00	90	16.99	268.00	--	mg/kg
CG34-004	2083955.83	748220.52	0	0.5	Copper	362.00	300	18.06	40900.00	--	mg/kg
CG34-004	2083955.83	748220.52	0	0.5	Iron	37600.00	2500	18037	307000.00	--	mg/kg
CG34-004	2083955.83	748220.52	0	0.5	Manganese	483.00	200	365.08	3480.00	--	mg/kg
CG34-004	2083955.83	748220.52	0	0.5	Nickel	44.00	60	14.91	20400.00	--	mg/kg
CG34-004	2083955.83	748220.52	0	0.5	Strontium	190.00	250	48.94	613000.00	--	mg/kg
CG34-004	2083955.83	748220.52	0	0.5	Vanadium	97.00	100	45.59	7150.00	292	mg/kg
CG34-004	2083955.83	748220.52	0	0.5	Zinc	140.00	300	73.76	307000.00	--	mg/kg
CG34-005	2083975.40	748245.58	0	0.5	Barium	598.00	150	141.26	26400.00	--	mg/kg
CG34-005	2083975.40	748245.58	0	0.5	Chromium	57.00	90	16.99	268.00	--	mg/kg
CG34-005	2083975.40	748245.58	0	0.5	Copper	160.00	300	18.06	40900.00	--	mg/kg
CG34-005	2083975.40	748245.58	0	0.5	Iron	37300.00	2500	18037	307000.00	--	mg/kg
CG34-005	2083975.40	748245.58	0	0.5	Manganese	504.00	200	365.08	3480.00	--	mg/kg
CG34-005	2083975.40	748245.58	0	0.5	Nickel	47.00	60	14.91	20400.00	--	mg/kg
CG34-005	2083975.40	748245.58	0	0.5	Strontium	280.00	250	48.94	613000.00	--	mg/kg
CG34-005	2083975.40	748245.58	0	0.5	Vanadium	90.00	100	45.59	7150.00	292	mg/kg
CG34-005	2083975.40	748245.58	0	0.5	Zinc	120.00	300	73.76	307000.00	--	mg/kg
CG34-006	2083988.73	748302.56	0	0.5	Arsenic	13.00	25	10.09	22.20	--	mg/kg
CG34-006	2083988.73	748302.56	0	0.5	Barium	634.00	150	141.26	26400.00	--	mg/kg
CG34-006	2083988.73	748302.56	0	0.5	Chromium	40.00	90	16.99	268.00	--	mg/kg
CG34-006	2083988.73	748302.56	0	0.5	Copper	68.00	300	18.06	40900.00	--	mg/kg
CG34-006	2083988.73	748302.56	0	0.5	Iron	37200.00	2500	18037	307000.00	--	mg/kg
CG34-006	2083988.73	748302.56	0	0.5	Manganese	595.00	200	365.08	3480.00	--	mg/kg
CG34-006	2083988.73	748302.56	0	0.5	Nickel	47.00	60	14.91	20400.00	--	mg/kg
CG34-006	2083988.73	748302.56	0	0.5	Strontium	220.00	250	48.94	613000.00	--	mg/kg
CG34-006	2083988.73	748302.56	0	0.5	Vanadium	99.00	100	45.59	7150.00	292	mg/kg
CG34-006	2083988.73	748302.56	0	0.5	Zinc	92.00	300	73.76	307000.00	--	mg/kg
CG34-009	2084027.65	748318.95	0	0.5	Arsenic	14.00	25	10.09	22.20	--	mg/kg
CG34-009	2084027.65	748318.95	0	0.5	Barium	607.00	150	141.26	26400.00	--	mg/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CG34-009	2084027.65	748318.95	0	0.5	Chromium	36.00	90	16.99	268.00	--	mg/kg
CG34-009	2084027.65	748318.95	0	0.5	Copper	73.00	300	18.06	40900.00	--	mg/kg
CG34-009	2084027.65	748318.95	0	0.5	Iron	38000.00	2500	18037	307000.00	--	mg/kg
CG34-009	2084027.65	748318.95	0	0.5	Manganese	627.00	200	365.08	3480.00	--	mg/kg
CG34-009	2084027.65	748318.95	0	0.5	Nickel	54.00	60	14.91	20400.00	--	mg/kg
CG34-009	2084027.65	748318.95	0	0.5	Strontium	230.00	250	48.94	613000.00	--	mg/kg
CG34-009	2084027.65	748318.95	0	0.5	Vanadium	104.00	100	45.59	7150.00	292	mg/kg
CG34-010	2084037.41	748349.65	0	0.5	2-Methylnaphthalene	71.00	70	NA	20400000.00	--	ug/kg
CG34-010	2084037.41	748349.65	0	0.5	Acenaphthene	260.00	55	NA	40800000.00	--	ug/kg
CG34-010	2084037.41	748349.65	0	0.5	Anthracene	390.00	93	NA	204000000.00	--	ug/kg
CG34-010	2084037.41	748349.65	0	0.5	Aroclor-1260	8.30	5.7	NA	12400.00	--	ug/kg
CG34-010	2084037.41	748349.65	0	0.5	Arsenic	13.00	25	10.09	22.20	--	mg/kg
CG34-010	2084037.41	748349.65	0	0.5	Barium	639.00	150	141.26	26400.00	--	mg/kg
CG34-010	2084037.41	748349.65	0	0.5	Benzo(A)Anthracene	520.00	46	NA	34900.00	--	ug/kg
CG34-010	2084037.41	748349.65	0	0.5	Benzo(A)Pyrene	460.00	110	NA	3490.00	--	ug/kg
CG34-010	2084037.41	748349.65	0	0.5	Benzo(B)Fluoranthene	380.00	120	NA	34900.00	--	ug/kg
CG34-010	2084037.41	748349.65	0	0.5	Benzo(K)Fluoranthene	410.00	110	NA	349000.00	--	ug/kg
CG34-010	2084037.41	748349.65	0	0.5	Chromium	48.00	90	16.99	268.00	--	mg/kg
CG34-010	2084037.41	748349.65	0	0.5	Chrysene	580.00	63	NA	3490000.00	--	ug/kg
CG34-010	2084037.41	748349.65	0	0.5	Copper	936.00	300	18.06	40900.00	--	mg/kg
CG34-010	2084037.41	748349.65	0	0.5	Dibenz(A,H)Anthracene	140.00	56	NA	3490.00	--	ug/kg
CG34-010	2084037.41	748349.65	0	0.5	Dibenzofuran	110.00	97	NA	2950000.00	--	ug/kg
CG34-010	2084037.41	748349.65	0	0.5	Fluoranthene	1500.00	100	NA	27200000.00	--	ug/kg
CG34-010	2084037.41	748349.65	0	0.5	Fluorene	200.00	90	NA	40800000.00	--	ug/kg
CG34-010	2084037.41	748349.65	0	0.5	Indeno(1,2,3-Cd)Pyrene	280.00	57	NA	34900.00	--	ug/kg
CG34-010	2084037.41	748349.65	0	0.5	Iron	54500.00	2500	18037	307000.00	--	mg/kg
CG34-010	2084037.41	748349.65	0	0.5	Manganese	1260.00	200	365.08	3480.00	--	mg/kg
CG34-010	2084037.41	748349.65	0	0.5	Naphthalene	130.00	83	NA	3090000.00	--	ug/kg
CG34-010	2084037.41	748349.65	0	0.5	Nickel	50.00	60	14.91	20400.00	--	mg/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CG34-010	2084037.41	748349.65	0	0.5	Pyrene	1300.00	48	NA	22100000.00	--	ug/kg
CG34-010	2084037.41	748349.65	0	0.5	Strontium	150.00	250	48.94	613000.00	--	mg/kg
CG34-010	2084037.41	748349.65	0	0.5	Vanadium	184.00	100	45.59	7150.00	292	mg/kg
CG34-010	2084037.41	748349.65	0	0.5	Zinc	312.00	300	73.76	307000.00	--	mg/kg
CG34-015	2084132.49	748333.26	0	1.7	Barium	731.00	150	289.38	26400.00	--	mg/kg
CG34-015	2084132.49	748333.26	0	1.7	Copper	160.00	300	38.21	40900.00	--	mg/kg
CG34-015	2084132.49	748333.26	0	1.7	Lead	48.30	20	24.97	1000.00	97.7	mg/kg
CG34-015	2084132.49	748333.26	0	1.7	Strontium	268.00	250	211.38	613000.00	--	mg/kg
CG34-015	2084132.49	748333.26	0	1.7	Zinc	150.00	300	139.1	307000.00	--	mg/kg
CG34-016	2084089.31	748329.73	0	2	Arsenic	28.10	25	13.14	22.20	--	mg/kg
CG34-016	2084089.31	748329.73	0	2	Barium	44500.00	150	289.38	26400.00	--	mg/kg
CG34-016	2084089.31	748329.73	0	2	Copper	92.00	300	38.21	40900.00	--	mg/kg
CG34-016	2084089.31	748329.73	0	2	Iron	48100.00	2500	18037	307000.00	--	mg/kg
CG34-016	2084089.31	748329.73	0	2	Manganese	1220.00	200	901.62	3480.00	--	mg/kg
CG34-016	2084089.31	748329.73	0	2	Strontium	369.00	250	211.38	613000.00	--	mg/kg
CG34-016	2084089.31	748329.73	0	2	Zinc	190.00	300	139.1	307000.00	--	mg/kg
CG35-000	2083965.63	748483.33	0	0.5	2-Methylnaphthalene	2600.00	72	NA	20400000.00	--	ug/kg
CG35-000	2083965.63	748483.33	0	0.5	Acenaphthene	11000.00	110	NA	40800000.00	--	ug/kg
CG35-000	2083965.63	748483.33	0	0.5	Anthracene	3000.00	95	NA	204000000.00	--	ug/kg
CG35-000	2083965.63	748483.33	0	0.5	Barium	575.00	150	141.26	26400.00	--	mg/kg
CG35-000	2083965.63	748483.33	0	0.5	Benzo(A)Anthracene	1700.00	47	NA	34900.00	--	ug/kg
CG35-000	2083965.63	748483.33	0	0.5	Benzo(A)Pyrene	610.00	110	NA	3490.00	--	ug/kg
CG35-000	2083965.63	748483.33	0	0.5	Benzo(B)Fluoranthene	750.00	120	NA	34900.00	--	ug/kg
CG35-000	2083965.63	748483.33	0	0.5	Benzo(K)Fluoranthene	720.00	110	NA	349000.00	--	ug/kg
CG35-000	2083965.63	748483.33	0	0.5	Bis(2-Ethylhexyl)Phthalate	220.00	84	NA	1970000.00	--	ug/kg
CG35-000	2083965.63	748483.33	0	0.5	Chromium	45.00	90	16.99	268.00	--	mg/kg
CG35-000	2083965.63	748483.33	0	0.5	Chrysene	2200.00	65	NA	3490000.00	--	ug/kg
CG35-000	2083965.63	748483.33	0	0.5	Cobalt	61.00	90	10.91	1550.00	--	mg/kg
CG35-000	2083965.63	748483.33	0	0.5	Copper	64.00	300	18.06	40900.00	--	mg/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CG35-000	2083965.63	748483.33	0	0.5	Dibenz(A,H)Anthracene	110.00	57	NA	3490.00	--	ug/kg
CG35-000	2083965.63	748483.33	0	0.5	Dibenzofuran	4600.00	100	NA	2950000.00	--	ug/kg
CG35-000	2083965.63	748483.33	0	0.5	Fluoranthene	9300.00	200	NA	27200000.00	--	ug/kg
CG35-000	2083965.63	748483.33	0	0.5	Fluorene	4900.00	93	NA	40800000.00	--	ug/kg
CG35-000	2083965.63	748483.33	0	0.5	Indeno(1,2,3-Cd)Pyrene	210.00	58	NA	34900.00	--	ug/kg
CG35-000	2083965.63	748483.33	0	0.5	Iron	27200.00	2500	18037	307000.00	--	mg/kg
CG35-000	2083965.63	748483.33	0	0.5	Manganese	384.00	200	365.08	3480.00	--	mg/kg
CG35-000	2083965.63	748483.33	0	0.5	Naphthalene	7110.85	590	NA	3090000.00	--	ug/kg
CG35-000	2083965.63	748483.33	0	0.5	Nickel	29.00	60	14.91	20400.00	--	mg/kg
CG35-000	2083965.63	748483.33	0	0.5	Pyrene	10000.00	97	NA	22100000.00	--	ug/kg
CG35-000	2083965.63	748483.33	0	0.5	Strontium	261.00	250	48.94	613000.00	--	mg/kg
CG35-000	2083965.63	748483.33	0	0.5	Vanadium	76.00	100	45.59	7150.00	292	mg/kg
CG35-000	2083965.63	748483.33	0	0.5	Zinc	90.00	300	73.76	307000.00	--	mg/kg
CG35-001	2083974.67	748512.90	0	0.5	Barium	482.00	150	141.26	26400.00	--	mg/kg
CG35-001	2083974.67	748512.90	0	0.5	Chromium	26.00	90	16.99	268.00	--	mg/kg
CG35-001	2083974.67	748512.90	0	0.5	Copper	140.00	300	18.06	40900.00	--	mg/kg
CG35-001	2083974.67	748512.90	0	0.5	Iron	23000.00	2500	18037	307000.00	--	mg/kg
CG35-001	2083974.67	748512.90	0	0.5	Manganese	447.00	200	365.08	3480.00	--	mg/kg
CG35-001	2083974.67	748512.90	0	0.5	Nickel	23.00	60	14.91	20400.00	--	mg/kg
CG35-001	2083974.67	748512.90	0	0.5	Strontium	200.00	250	48.94	613000.00	--	mg/kg
CG35-001	2083974.67	748512.90	0	0.5	Vanadium	110.00	100	45.59	7150.00	292	mg/kg
CG35-002	2083764.95	748476.54	0	0.5	Aluminum	19200.00	1.3	16902	228000.00	--	mg/kg
CG35-002	2083764.95	748476.54	0	0.5	Lithium	15.10	0.18	11.55	20400.00	--	mg/kg
CG35-002	2083764.95	748476.54	0	0.5	Nickel	18.50	0.67	14.91	20400.00	--	mg/kg
CG35-003	2083980.16	748468.02	0	0.5	Acenaphthene	66.00	50	NA	40800000.00	--	ug/kg
CG35-003	2083980.16	748468.02	0	0.5	Acetone	12.74	120	NA	102000000.00	211000	ug/kg
CG35-003	2083980.16	748468.02	0	0.5	Anthracene	210.00	85	NA	204000000.00	--	ug/kg
CG35-003	2083980.16	748468.02	0	0.5	Barium	581.00	150	141.26	26400.00	--	mg/kg
CG35-003	2083980.16	748468.02	0	0.5	Benzo(A)Anthracene	1100.00	43	NA	34900.00	--	ug/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CG35-003	2083980.16	748468.02	0	0.5	Benzo(A)Pyrene	1200.00	100	NA	3490.00	--	ug/kg
CG35-003	2083980.16	748468.02	0	0.5	Benzo(B)Fluoranthene	1100.00	110	NA	34900.00	--	ug/kg
CG35-003	2083980.16	748468.02	0	0.5	Benzo(K)Fluoranthene	950.00	100	NA	349000.00	--	ug/kg
CG35-003	2083980.16	748468.02	0	0.5	Chromium	42.00	90	16.99	268.00	--	mg/kg
CG35-003	2083980.16	748468.02	0	0.5	Chrysene	1400.00	58	NA	3490000.00	--	ug/kg
CG35-003	2083980.16	748468.02	0	0.5	Copper	60.00	300	18.06	40900.00	--	mg/kg
CG35-003	2083980.16	748468.02	0	0.5	Dibenz(A,H)Anthracene	300.00	51	NA	3490.00	--	ug/kg
CG35-003	2083980.16	748468.02	0	0.5	Fluoranthene	1700.00	92	NA	27200000.00	--	ug/kg
CG35-003	2083980.16	748468.02	0	0.5	Indeno(1,2,3-Cd)Pyrene	670.00	52	NA	34900.00	--	ug/kg
CG35-003	2083980.16	748468.02	0	0.5	Iron	30100.00	2500	18037	307000.00	--	mg/kg
CG35-003	2083980.16	748468.02	0	0.5	Nickel	33.00	60	14.91	20400.00	--	mg/kg
CG35-003	2083980.16	748468.02	0	0.5	Pyrene	2100.00	44	NA	22100000.00	--	ug/kg
CG35-003	2083980.16	748468.02	0	0.5	Strontium	170.00	250	48.94	613000.00	--	mg/kg
CG35-003	2083980.16	748468.02	0	0.5	Vanadium	149.00	100	45.59	7150.00	292	mg/kg
CG35-003	2083980.16	748468.02	0	0.5	Zinc	110.00	300	73.76	307000.00	--	mg/kg
CG35-004	2083993.42	748481.20	0	0.5	Acetone	13.63	130	NA	102000000.00	211000	ug/kg
CG35-004	2083993.42	748481.20	0	0.5	Anthracene	350.00	91	NA	204000000.00	--	ug/kg
CG35-004	2083993.42	748481.20	0	0.5	Arsenic	11.00	25	10.09	22.20	--	mg/kg
CG35-004	2083993.42	748481.20	0	0.5	Barium	590.00	150	141.26	26400.00	--	mg/kg
CG35-004	2083993.42	748481.20	0	0.5	Benzo(A)Anthracene	200.00	45	NA	34900.00	--	ug/kg
CG35-004	2083993.42	748481.20	0	0.5	Chromium	62.00	90	16.99	268.00	--	mg/kg
CG35-004	2083993.42	748481.20	0	0.5	Chrysene	250.00	62	NA	3490000.00	--	ug/kg
CG35-004	2083993.42	748481.20	0	0.5	Copper	65.00	300	18.06	40900.00	--	mg/kg
CG35-004	2083993.42	748481.20	0	0.5	Fluoranthene	920.00	98	NA	27200000.00	--	ug/kg
CG35-004	2083993.42	748481.20	0	0.5	Iron	32200.00	2500	18037	307000.00	--	mg/kg
CG35-004	2083993.42	748481.20	0	0.5	Manganese	501.00	200	365.08	3480.00	--	mg/kg
CG35-004	2083993.42	748481.20	0	0.5	Nickel	39.00	60	14.91	20400.00	--	mg/kg
CG35-004	2083993.42	748481.20	0	0.5	Pyrene	900.00	47	NA	22100000.00	--	ug/kg
CG35-004	2083993.42	748481.20	0	0.5	Strontium	190.00	250	48.94	613000.00	--	mg/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CG35-004	2083993.42	748481.20	0	0.5	Vanadium	166.00	100	45.59	7150.00	292	mg/kg
CG35-004	2083993.42	748481.20	0	0.5	Zinc	98.00	300	73.76	307000.00	--	mg/kg
CG35-005	2084015.54	748522.68	0	0.5	Arsenic	13.00	25	10.09	22.20	--	mg/kg
CG35-005	2084015.54	748522.68	0	0.5	Barium	622.00	150	141.26	26400.00	--	mg/kg
CG35-005	2084015.54	748522.68	0	0.5	Chromium	40.00	90	16.99	268.00	--	mg/kg
CG35-005	2084015.54	748522.68	0	0.5	Copper	220.00	300	18.06	40900.00	--	mg/kg
CG35-005	2084015.54	748522.68	0	0.5	Iron	38300.00	2500	18037	307000.00	--	mg/kg
CG35-005	2084015.54	748522.68	0	0.5	Manganese	596.00	200	365.08	3480.00	--	mg/kg
CG35-005	2084015.54	748522.68	0	0.5	Nickel	45.00	60	14.91	20400.00	--	mg/kg
CG35-005	2084015.54	748522.68	0	0.5	Strontium	190.00	250	48.94	613000.00	--	mg/kg
CG35-005	2084015.54	748522.68	0	0.5	Vanadium	115.00	100	45.59	7150.00	292	mg/kg
CG35-005	2084015.54	748522.68	0	0.5	Zinc	140.00	300	73.76	307000.00	--	mg/kg
CG35-006	2083984.97	748385.11	0	0.5	Arsenic	13.00	25	10.09	22.20	--	mg/kg
CG35-006	2083984.97	748385.11	0	0.5	Barium	564.00	150	141.26	26400.00	--	mg/kg
CG35-006	2083984.97	748385.11	0	0.5	Chromium	48.00	90	16.99	268.00	--	mg/kg
CG35-006	2083984.97	748385.11	0	0.5	Cobalt	99.70	90	10.91	1550.00	--	mg/kg
CG35-006	2083984.97	748385.11	0	0.5	Copper	633.00	300	18.06	40900.00	--	mg/kg
CG35-006	2083984.97	748385.11	0	0.5	Iron	35100.00	2500	18037	307000.00	--	mg/kg
CG35-006	2083984.97	748385.11	0	0.5	Manganese	598.00	200	365.08	3480.00	--	mg/kg
CG35-006	2083984.97	748385.11	0	0.5	Nickel	45.00	60	14.91	20400.00	--	mg/kg
CG35-006	2083984.97	748385.11	0	0.5	Strontium	180.00	250	48.94	613000.00	--	mg/kg
CG35-006	2083984.97	748385.11	0	0.5	Vanadium	98.00	100	45.59	7150.00	292	mg/kg
CG35-006	2083984.97	748385.11	0	0.5	Zinc	92.00	300	73.76	307000.00	--	mg/kg
CG35-007	2083993	748409	0	0.5	Aluminum	17300.00	1.4	16902	228000.00	--	mg/kg
CG35-007	2083993	748409	0	0.5	Lithium	12.60	0.2	11.55	20400.00	--	mg/kg
CG35-008	2084043.38	748383.32	0	0.5	Arsenic	14.00	25	10.09	22.20	--	mg/kg
CG35-008	2084043.38	748383.32	0	0.5	Barium	545.00	150	141.26	26400.00	--	mg/kg
CG35-008	2084043.38	748383.32	0	0.5	Butyl Benzylphthalate	420.00	39	NA	147000000.00	--	ug/kg
CG35-008	2084043.38	748383.32	0	0.5	Chromium	60.00	90	16.99	268.00	--	mg/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CG35-008	2084043.38	748383.32	0	0.5	Copper	492.00	300	18.06	40900.00	--	mg/kg
CG35-008	2084043.38	748383.32	0	0.5	Iron	39300.00	2500	18037	307000.00	--	mg/kg
CG35-008	2084043.38	748383.32	0	0.5	Manganese	564.00	200	365.08	3480.00	--	mg/kg
CG35-008	2084043.38	748383.32	0	0.5	Nickel	50.00	60	14.91	20400.00	--	mg/kg
CG35-008	2084043.38	748383.32	0	0.5	Strontium	190.00	250	48.94	613000.00	--	mg/kg
CG35-008	2084043.38	748383.32	0	0.5	Vanadium	170.00	100	45.59	7150.00	292	mg/kg
CG35-008	2084043.38	748383.32	0	0.5	Zinc	190.00	300	73.76	307000.00	--	mg/kg
CG35-009	2084005.98	748378.33	0	0.5	Barium	785.00	150	141.26	26400.00	--	mg/kg
CG35-009	2084005.98	748378.33	0	0.5	Bis(2-Ethylhexyl)Phthalate	110.00	71	NA	1970000.00	--	ug/kg
CG35-009	2084005.98	748378.33	0	0.5	Chromium	44.00	90	16.99	268.00	--	mg/kg
CG35-009	2084005.98	748378.33	0	0.5	Cobalt	18.00	90	10.91	1550.00	--	mg/kg
CG35-009	2084005.98	748378.33	0	0.5	Copper	120.00	300	18.06	40900.00	--	mg/kg
CG35-009	2084005.98	748378.33	0	0.5	Iron	26500.00	2500	18037	307000.00	--	mg/kg
CG35-009	2084005.98	748378.33	0	0.5	Manganese	419.00	200	365.08	3480.00	--	mg/kg
CG35-009	2084005.98	748378.33	0	0.5	Nickel	28.00	60	14.91	20400.00	--	mg/kg
CG35-009	2084005.98	748378.33	0	0.5	Strontium	297.00	250	48.94	613000.00	--	mg/kg
CG35-009	2084005.98	748378.33	0	0.5	Vanadium	53.00	100	45.59	7150.00	292	mg/kg
CG35-009	2084005.98	748378.33	0	0.5	Zinc	95.00	300	73.76	307000.00	--	mg/kg
CG35-013	2083975.86	748516.81	14.5	16.5	2-Butanone	6.50	5.3	NA	192000000.00	433000	ug/kg
CG35-013	2083975.86	748516.81	14.5	16.5	Acetone	20.00	5.2	NA	102000000.00	211000	ug/kg
CG35-013	2083975.86	748516.81	14.5	16.5	Barium	795.00	150	289.38	26400.00	--	mg/kg
CG35-013	2083975.86	748516.81	14.5	16.5	Chrysene	50.00	38	NA	3490000.00	--	ug/kg
CG35-013	2083975.86	748516.81	14.5	16.5	Copper	76.00	300	38.21	40900.00	--	mg/kg
CG35-013	2083975.86	748516.81	14.5	16.5	Ethylbenzene	3.30	1.3	NA	4250000.00	--	ug/kg
CG35-013	2083975.86	748516.81	14.5	16.5	Vanadium	180.00	100	88.49	7150.00	292	mg/kg
CG35-013	2083975.86	748516.81	14.5	16.5	Xylenes (Total)	27.00	3.1	NA	100000000.00	--	ug/kg
CG35-014	2084025.83	748516.69	0	0.5	Arsenic	15.00	25	10.09	22.20	--	mg/kg
CG35-014	2084025.83	748516.69	0	0.5	Barium	672.00	150	141.26	26400.00	--	mg/kg
CG35-014	2084025.83	748516.69	0	0.5	Bis(2-Ethylhexyl)Phthalate	87.00	74	NA	1970000.00	--	ug/kg

Location	Easting	Northing	SBD (ft)	SED (ft)	Analyte	Result	Reporting Limit	Background Mean + 2SD	RFCA WRW Action Level	Ecological Action Level	Unit
CG35-014	2084025.83	748516.69	0	0.5	Chromium	59.00	90	16.99	268.00	--	mg/kg
CG35-014	2084025.83	748516.69	0	0.5	Copper	393.00	300	18.06	40900.00	--	mg/kg
CG35-014	2084025.83	748516.69	0	0.5	Iron	44000.00	2500	18037	307000.00	--	mg/kg
CG35-014	2084025.83	748516.69	0	0.5	Manganese	751.00	200	365.08	3480.00	--	mg/kg
CG35-014	2084025.83	748516.69	0	0.5	Nickel	58.00	60	14.91	20400.00	--	mg/kg
CG35-014	2084025.83	748516.69	0	0.5	Strontium	170.00	250	48.94	613000.00	--	mg/kg
CG35-014	2084025.83	748516.69	0	0.5	Vanadium	170.00	100	45.59	7150.00	292	mg/kg
CG35-014	2084025.83	748516.69	0	0.5	Zinc	150.00	300	73.76	307000.00	--	mg/kg
CG35-015	2084085.94	748422.58	0	2	Barium	838.00	150	289.38	26400.00	--	mg/kg
CG35-015	2084085.94	748422.58	0	2	Copper	89.00	300	38.21	40900.00	--	mg/kg
CG35-015	2084085.94	748422.58	0	2	Iron	45500.00	2500	18037	307000.00	--	mg/kg
CG35-015	2084085.94	748422.58	0	2	Manganese	946.00	200	901.62	3480.00	--	mg/kg
CG35-015	2084085.94	748422.58	0	2	Strontium	324.00	250	211.38	613000.00	--	mg/kg
CG35-015	2084085.94	748422.58	0	2	Uranium-235	1.90	1	0.12	8.00	--	pCi/g
CG35-015	2084085.94	748422.58	0	2	Vanadium	98.00	100	88.49	7150.00	292	mg/kg
CG35-015	2084085.94	748422.58	0	2	Zinc	160.00	300	139.1	307000.00	--	mg/kg
CG35-016	2084133.75	748400.57	0	2	Barium	716.00	150	289.38	26400.00	--	mg/kg
CG35-016	2084133.75	748400.57	0	2	Copper	88.00	300	38.21	40900.00	--	mg/kg
CG35-016	2084133.75	748400.57	0	2	Iron	48800.00	2500	18037	307000.00	--	mg/kg
CG35-016	2084133.75	748400.57	0	2	Vanadium	108.00	100	88.49	7150.00	292	mg/kg
CG35-017	2084073.36	748368.49	0	2	Barium	612.00	150	289.38	26400.00	--	mg/kg
CG35-017	2084073.36	748368.49	0	2	Copper	77.00	300	38.21	40900.00	--	mg/kg
CG35-017	2084073.36	748368.49	0	2	Vanadium	92.00	100	88.49	7150.00	292	mg/kg

NA = not applicable; SBD = soil beginning depth; SED = soil end depth  
SD = standard deviation; WRW = Wildlife Refuge Worker

Table 4  
IHSS Group 800-2 Summary of Analytical Results

Analyte	Media	No. of Samples Analyzed	Detection Frequency	Minimum Concentration	Mean Concentration	Maximum Concentration	WRW AL	Ecological AL	Background Mean + 2 SD	Unit
1,1,1-Trichloroethane	Surface Soil	29	0	0.75	1.17	5	79700000	-	NA	ug/kg
1,1,1-Trichloroethane	Subsurface Soil	3	0	5.4	5.73	6.2	79700000	-	NA	ug/kg
1,1,2,2-Tetrachloroethane	Surface Soil	29	0	0.642	0.85	5	100000	-	NA	ug/kg
1,1,2,2-Tetrachloroethane	Subsurface Soil	3	0	5.4	5.73	6.2	100000	-	NA	ug/kg
1,1,2-Trichloroethane	Surface Soil	29	0	0.804	1.01	5	236000	-	NA	ug/kg
1,1,2-Trichloroethane	Subsurface Soil	3	0	5.4	5.73	6.2	236000	-	NA	ug/kg
1,1-Dichloroethane	Surface Soil	29	0	0.654	0.86	5	22500000	-	NA	ug/kg
1,1-Dichloroethane	Subsurface Soil	3	0	5.4	5.73	6.2	22500000	-	NA	ug/kg
1,1-Dichloroethene	Surface Soil	29	0	0.675	0.92	5	17000	-	NA	ug/kg
1,1-Dichloroethene	Subsurface Soil	3	0	5.4	5.73	6.2	17000	-	NA	ug/kg
1,2,4-Trichlorobenzene	Surface Soil	109	0	0.64	269.42	440	9230000	-	NA	ug/kg
1,2,4-Trichlorobenzene	Subsurface Soil	6	0	5.4	192.87	410	9230000	-	NA	ug/kg
1,2-Dichlorobenzene	Surface Soil	81	0	5	362.28	440	31200000	-	NA	ug/kg
1,2-Dichlorobenzene	Subsurface Soil	6	0	5.4	192.87	410	31200000	-	NA	ug/kg
1,2-Dichloroethane	Surface Soil	80	0	0.722	2.03	83	106000	-	NA	ug/kg
1,2-Dichloroethane	Subsurface Soil	3	0	5.4	5.73	6.2	106000	-	NA	ug/kg
1,2-Dichloropropane	Surface Soil	29	0	0.42	0.80	5	345000	-	NA	ug/kg
1,2-Dichloropropane	Subsurface Soil	3	0	5.4	5.73	6.2	345000	-	NA	ug/kg
2,2'-Oxybis(1-Chloropropane)	Surface Soil	80	0	330	366.75	440	547000	-	NA	ug/kg
2,2'-Oxybis(1-Chloropropane)	Subsurface Soil	3	0	360	380.00	410	547000	-	NA	ug/kg
2,4,5-Trichlorophenol	Surface Soil	80	0	330	366.75	440	1.02E+08	-	NA	ug/kg
2,4,5-Trichlorophenol	Subsurface Soil	3	0	360	380.00	410	1.02E+08	-	NA	ug/kg
2,4,6-Trichlorophenol	Surface Soil	80	0	330	366.75	440	3470000	-	NA	ug/kg
2,4,6-Trichlorophenol	Subsurface Soil	3	0	360	380.00	410	3470000	-	NA	ug/kg
2,4-Dichlorophenol	Surface Soil	80	0	330	366.75	440	3070000	-	NA	ug/kg
2,4-Dichlorophenol	Subsurface Soil	3	0	360	380.00	410	3070000	-	NA	ug/kg
2,4-Dimethylphenol	Surface Soil	80	0	330	366.75	440	20400000	-	NA	ug/kg
2,4-Dimethylphenol	Subsurface Soil	3	0	360	380.00	410	20400000	-	NA	ug/kg
2,4-Dinitrophenol	Surface Soil	80	0	1600	1778.75	2100	2040000	-	NA	ug/kg

Analyte	Media	No. of Samples Analyzed	Detection Frequency	Minimum Concentration	Mean Concentration	Maximum Concentration	WRW AL	Ecological AL	Background Mean + 2 SD	Unit
2,4-Dinitrophenol	Subsurface Soil	3	0	1700	1833.33	2000	2040000	-	NA	ug/kg
2,4-Dinitrotoluene	Surface Soil	80	0	330	366.75	440	56300	-	NA	ug/kg
2,4-Dinitrotoluene	Subsurface Soil	3	0	360	380.00	410	56300	-	NA	ug/kg
2,6-Dinitrotoluene	Surface Soil	80	0	330	366.75	440	56300	-	NA	ug/kg
2,6-Dinitrotoluene	Subsurface Soil	3	0	360	380.00	410	56300	-	NA	ug/kg
2-Butanone	Surface Soil	29	0	5.31	10.26	100	1.92E+08	433000	NA	ug/kg
2-Butanone	Subsurface Soil	1	3	6.5	17.83	6.5	1.92E+08	433000	NA	ug/kg
2-Chloronaphthalene	Surface Soil	80	0	330	366.75	440	81800000	-	NA	ug/kg
2-Chloronaphthalene	Subsurface Soil	3	0	360	380.00	410	81800000	-	NA	ug/kg
2-Chlorophenol	Surface Soil	80	0	330	366.75	440	5110000	-	NA	ug/kg
2-Chlorophenol	Subsurface Soil	3	0	360	380.00	410	5110000	-	NA	ug/kg
2-Methylnaphthalene	Surface Soil	4	5	71	877.75	2600	20400000	-	NA	ug/kg
2-Methylnaphthalene	Subsurface Soil	3	0	360	380.00	410	20400000	-	NA	ug/kg
2-Methylphenol	Surface Soil	80	0	330	366.75	440	36900000	-	NA	ug/kg
2-Methylphenol	Subsurface Soil	3	0	360	380.00	410	36900000	-	NA	ug/kg
2-Nitroaniline	Surface Soil	80	0	1600	1778.75	2100	16700000	-	NA	ug/kg
2-Nitroaniline	Subsurface Soil	3	0	1700	1833.33	2000	16700000	-	NA	ug/kg
3,3'-Dichlorobenzidine	Surface Soil	80	0	1300	1443.75	1700	61300	-	NA	ug/kg
3,3'-Dichlorobenzidine	Subsurface Soil	3	0	1400	1500.00	1600	61300	-	NA	ug/kg
4,6-Dinitro-O-Cresol	Surface Soil	80	0	1600	1778.75	2100	1020000	-	NA	ug/kg
4,6-Dinitro-O-Cresol	Subsurface Soil	3	0	1700	1833.33	2000	1020000	-	NA	ug/kg
4-Chloroaniline	Surface Soil	80	0	330	366.75	440	2950000	-	NA	ug/kg
4-Chloroaniline	Subsurface Soil	3	0	360	380.00	410	2950000	-	NA	ug/kg
4-Methyl-2-Pentanone	Surface Soil	1	1.2	64	64.00	64	16400000	-	NA	ug/kg
4-Methyl-2-Pentanone	Subsurface Soil	3	0	22	23.00	25	16400000	-	NA	ug/kg
4-Methylphenol	Surface Soil	80	0	330	366.75	440	3690000	-	NA	ug/kg
4-Methylphenol	Subsurface Soil	3	0	360	380.00	410	3690000	-	NA	ug/kg
Acenaphthene	Surface Soil	8	10	66	1994.50	11000	40800000	-	NA	ug/kg
Acenaphthene	Subsurface Soil	3	0	360	380.00	410	40800000	-	NA	ug/kg
Acetone	Surface Soil	28	0	3.13	28.58	70	1.02E+08	211000	NA	ug/kg
Acetone	Subsurface Soil	1	33	20	22.50	20	1.02E+08	211000	NA	ug/kg
Aluminum	Surface Soil	27	100	5400	15788.89	23000	228000	-	16902	mg/kg

Analyte	Media	No. of Samples Analyzed	Detection Frequency	Minimum Concentration	Mean Concentration	Maximum Concentration	WRW AL	Ecological AL	Background Mean + 2 SD	Unit
Americium-241	Surface Soil	73	0	0	0.00	0.1902	76	-	NA	pci/g
Americium-241	Subsurface Soil	8	0	0	0.00	0	76	-	NA	pci/g
Anthracene	Surface Soil	10	12.5	110	1196.00	5700	2.04E+08	-	NA	ug/kg
Anthracene	Subsurface Soil	3	0	360	380.00	410	2.04E+08	-	NA	ug/kg
Antimony	Surface Soil	80	0	0.43	5.09	12.9	409	-	NA	mg/kg
Antimony	Subsurface Soil	8	0	7	7.00	7	409	-	16.97	mg/kg
Aroclor-1016	Surface Soil	2	0	38	38.50	39	46400	-	NA	ug/kg
Aroclor-1221	Surface Soil	2	0	38	38.50	39	12400	-	NA	ug/kg
Aroclor-1232	Surface Soil	2	0	38	38.50	39	12400	-	NA	ug/kg
Aroclor-1242	Surface Soil	2	0	38	38.50	39	12400	-	NA	ug/kg
Aroclor-1248	Surface Soil	2	0	38	38.50	39	12400	-	NA	ug/kg
Aroclor-1254	Surface Soil	2	0	38	38.50	39	12400	-	NA	ug/kg
Aroclor-1260	Surface Soil	1	50	8.3	8.30	8.3	12400	-	NA	ug/kg
Arsenic	Surface Soil	1	1.25	19.2	19.20	19.2	22.2	-	10.09	mg/kg
Arsenic	Subsurface Soil	1	12.5	28.1	12.93	28.1	22.2	-	13.14	mg/kg
Barium	Surface Soil	80	100	39.2	444.62	1450	26400	-	141.26	mg/kg
Barium	Subsurface Soil	8	100	612	6241.50	44500	26400	-	289.38	mg/kg
Benzy Alcohol	Surface Soil	80	0	330	366.75	440	3.07E+08	-	NA	ug/kg
Benzy Alcohol	Subsurface Soil	3	0	360	380.00	410	3.07E+08	-	NA	ug/kg
Benzene	Surface Soil	29	0	0.583	0.79	5	205000	-	NA	ug/kg
Benzene	Subsurface Soil	3	0	5.4	5.73	6.2	205000	-	NA	ug/kg
Benzo(A)Anthracene	Surface Soil	20	25	52	1378.30	16000	34900	-	NA	ug/kg
Benzo(A)Anthracene	Subsurface Soil	3	0	360	380.00	410	34900	-	NA	ug/kg
Benzo(A)Pyrene	Surface Soil	14	17.5	110	1760.00	15000	3490	-	NA	ug/kg
Benzo(A)Pyrene	Subsurface Soil	3	0	360	380.00	410	3490	-	NA	ug/kg
Benzo(B)Fluoranthene	Surface Soil	11	13.75	130	1759.09	11000	34900	-	NA	ug/kg
Benzo(B)Fluoranthene	Subsurface Soil	3	0	360	380.00	410	34900	-	NA	ug/kg
Benzo(K)Fluoranthene	Surface Soil	12	15	140	1784.17	13000	349000	-	NA	ug/kg
Benzo(K)Fluoranthene	Subsurface Soil	3	0	360	380.00	410	349000	-	NA	ug/kg
Benzoic Acid	Surface Soil	80	0	1600	1778.75	2100	1E+09	-	NA	ug/kg
Benzoic Acid	Subsurface Soil	3	0	1700	1833.33	2000	1E+09	-	NA	ug/kg
Beryllium	Surface Soil	26	96.3	0.5	0.67	0.97	921	9	0.966	mg/kg

Analyte	Media	No. of Samples Analyzed	Detection Frequency	Minimum Concentration	Mean Concentration	Maximum Concentration	WRW AL	Ecological AL	Background Mean + 2 SD	Unit
Bis(2-Chloroethyl) Ether	Surface Soil	80	0	330	366.75	440	34800	-	NA	ug/kg
Bis(2-Chloroethyl) Ether	Subsurface Soil	3	0	360	380.00	410	34800	-	NA	ug/kg
Bis(2-Ethylhexyl)Phthalate	Surface Soil	13	16.25	87	749.00	4900	1970000	-	NA	ug/kg
Bis(2-Ethylhexyl)Phthalate	Subsurface Soil	3	0	360	380.00	410	1970000	-	NA	ug/kg
Bromodichloromethane	Surface Soil	29	0	0.6	0.81	5	617000	-	NA	ug/kg
Bromodichloromethane	Subsurface Soil	3	0	5.4	5.73	6.2	617000	-	NA	ug/kg
Bromoforn	Surface Soil	29	0	1.27	1.50	5	3730000	-	NA	ug/kg
Bromoforn	Subsurface Soil	3	0	5.4	5.73	6.2	3730000	-	NA	ug/kg
Bromomethane	Surface Soil	29	0	1.33	1.63	5	193000	-	NA	ug/kg
Bromomethane	Subsurface Soil	3	0	5.4	5.73	6.2	193000	-	NA	ug/kg
Butylbenzylphthalate	Surface Soil	13	16.25	45	655.77	1800	1.47E+08	-	NA	ug/kg
Butylbenzylphthalate	Subsurface Soil	3	0	360	380.00	410	1.47E+08	-	NA	ug/kg
Cadmium	Surface Soil	80	0	0.047	2.02	3	962	-	1.612	mg/kg
Cadmium	Subsurface Soil	8	0	3	3.00	3	962	-	1.7	mg/kg
Carbon Disulfide	Surface Soil	29	0	0.55	0.94	5	15100000	-	NA	ug/kg
Carbon Disulfide	Subsurface Soil	3	0	5.4	5.73	6.2	15100000	-	NA	ug/kg
Carbon Tetrachloride	Surface Soil	29	0	0.64	0.94	5	81500	-	NA	ug/kg
Carbon Tetrachloride	Subsurface Soil	3	0	5.4	5.73	6.2	81500	-	NA	ug/kg
Chlorobenzene	Surface Soil	80	0	0.48	2.20	108	6090000	-	NA	ug/kg
Chlorobenzene	Subsurface Soil	3	0	5.4	5.73	6.2	6090000	-	NA	ug/kg
Chloroethane	Surface Soil	29	0	0.862	1.11	5	13200000	-	NA	ug/kg
Chloroethane	Subsurface Soil	3	0	5.4	5.73	6.2	13200000	-	NA	ug/kg
Chloroform	Surface Soil	29	0	0.552	0.75	5	19200	-	NA	ug/kg
Chloroform	Subsurface Soil	3	0	5.4	5.73	6.2	19200	-	NA	ug/kg
Chloromethane	Surface Soil	29	0	1.01	1.28	5	371000	-	NA	ug/kg
Chloromethane	Subsurface Soil	3	0	5.4	5.73	6.2	371000	-	NA	ug/kg
Chrysene	Surface Soil	20	25	58	1526.10	17000	3490000	-	NA	ug/kg
Chrysene	Subsurface Soil	1	33	50	273.33	50	3490000	-	NA	ug/kg
Cis-1,3-Dichloropropene	Surface Soil	80	0	0.57	2.04	96.2	250000	-	NA	ug/kg
Cis-1,3-Dichloropropene	Subsurface Soil	3	0	5.4	5.73	6.2	250000	-	NA	ug/kg
Cobalt	Surface Soil	18	22.5	11	69.03	266	1550	-	10.91	mg/kg
Cobalt	Subsurface Soil	8	0	90	90.00	90	1550	-	29.04	mg/kg

Analyte	Media	No. of Samples Analyzed	Detection Frequency	Minimum Concentration	Mean Concentration	Maximum Concentration	WRW AL	Ecological AL	Background Mean + 2 SD	Unit
Copper	Surface Soil	34	42.5	9.7	125.71	936	40900	-	18.06	mg/kg
Copper	Subsurface Soil	8	0	66.5	91.54	163	40900	-	38.21	mg/kg
Dibenz(A,H)Anthracene	Surface Soil	7	8.75	110	814.29	3400	3490	-	NA	ug/kg
Dibenz(A,H)Anthracene	Subsurface Soil	3	0	360	380.00	410	3490	-	NA	ug/kg
Dibenzofuran	Surface Soil	4	5	110	1575.00	4600	2950000	-	NA	ug/kg
Dibenzofuran	Subsurface Soil	3	0	360	380.00	410	2950000	-	NA	ug/kg
Dibromochloromethane	Surface Soil	29	0	0.748	0.96	5	329000	-	NA	ug/kg
Dibromochloromethane	Subsurface Soil	3	0	5.4	5.73	6.2	329000	-	NA	ug/kg
Diethyl Phthalate	Surface Soil	80	0	660	734.38	880	5.9E+08	-	NA	ug/kg
Diethyl Phthalate	Subsurface Soil	3	0	710	756.67	820	5.9E+08	-	NA	ug/kg
Dimethyl Phthalate	Surface Soil	80	0	330	366.75	440	1E+09	-	NA	ug/kg
Dimethyl Phthalate	Subsurface Soil	3	0	360	380.00	410	1E+09	-	NA	ug/kg
Di-N-Butyl Phthalate	Surface Soil	80	0	330	366.75	440	73700000	-	NA	ug/kg
Di-N-Butyl Phthalate	Subsurface Soil	3	0	360	380.00	410	73700000	-	NA	ug/kg
Di-N-Octyl Phthalate	Surface Soil	80	0	330	366.75	440	14700000	-	NA	ug/kg
Di-N-Octyl Phthalate	Subsurface Soil	3	0	360	380.00	410	14700000	-	NA	ug/kg
Ethylbenzene	Surface Soil	1	1.2	9.5	9.50	9.5	4250000	-	NA	ug/kg
Ethylbenzene	Subsurface Soil	1	33	3.3	4.77	3.3	4250000	-	NA	ug/kg
Fluoranthene	Surface Soil	18	22.5	96	3209.22	30000	27200000	-	NA	ug/kg
Fluoranthene	Subsurface Soil	3	0	360	380.00	410	27200000	-	NA	ug/kg
Fluorene	Surface Soil	5	6.25	200	1650.00	4900	40800000	-	NA	ug/kg
Fluorene	Subsurface Soil	3	0	360	380.00	410	40800000	-	NA	ug/kg
Hexachlorobenzene	Surface Soil	80	0	330	366.75	440	17200	-	NA	ug/kg
Hexachlorobenzene	Subsurface Soil	3	0	360	380.00	410	17200	-	NA	ug/kg
Hexachlorobutadiene	Surface Soil	109	0	0.52	269.47	440	147000	-	NA	ug/kg
Hexachlorobutadiene	Subsurface Soil	6	0	5.4	192.87	410	147000	-	NA	ug/kg
Hexachlorocyclopentadiene	Surface Soil	80	0	660	734.38	880	3500000	-	NA	ug/kg
Hexachlorocyclopentadiene	Subsurface Soil	3	0	710	756.67	820	3500000	-	NA	ug/kg
Hexachloroethane	Surface Soil	80	0	330	366.75	440	737000	-	NA	ug/kg
Hexachloroethane	Subsurface Soil	3	0	360	380.00	410	737000	-	NA	ug/kg
Indeno(1,2,3-Cd)Pyrene	Surface Soil	14	17.5	53	909.57	7100	34900	-	NA	ug/kg
Indeno(1,2,3-Cd)Pyrene	Subsurface Soil	3	0	360	380.00	410	34900	-	NA	ug/kg

Analyte	Media	No. of Samples Analyzed	Detection Frequency	Minimum Concentration	Mean Concentration	Maximum Concentration	WRW AL	Ecological AL	Background Mean + 2 SD	Unit
Iron	Surface Soil	79	98.75	10300	25536.71	54500	307000	-	18037	mg/kg
Iron	Subsurface Soil	8	100	29000	37950.00	48800	307000	-	41046.52	mg/kg
Isophorone	Surface Soil	80	0	330	366.75	440	29100000	-	NA	ug/kg
Isophorone	Subsurface Soil	3	0	360	380.00	410	29100000	-	NA	ug/kg
Lead	Surface Soil	19	23.75	11.8	85.87	1150	1000	98	54.62	mg/kg
Lead	Subsurface Soil	5	62.5	21.2	21.18	48.3	1000	98	24.97	mg/kg
Lithium	Surface Soil	27	0	7.5	11.53	15.1	20400	-	11.55	mg/kg
Manganese	Surface Soil	77	96.25	77.5	389.44	1260	3480	-	365.08	mg/kg
Manganese	Subsurface Soil	8	100	370	687.38	1220	3480	-	901.62	mg/kg
Mercury	Surface Soil	27	0	0.0013	0.02	0.087	25200	-	0.134	mg/kg
Methylene Chloride	Surface Soil	1	3.23	0.97	0.97	0.97	2530000	40	NA	ug/kg
Methylene Chloride	Subsurface Soil	3	0	5.4	5.73	6.2	2530000	40	NA	ug/kg
Molybdenum	Surface Soil	80	0	0.14	33.21	50	5110	-	NA	mg/kg
Molybdenum	Subsurface Soil	8	0	50	50.00	50	5110	-	25.61	mg/kg
Naphthalene	Surface Soil	4	3.6	130	1127.50	3100	3090000	-	NA	ug/kg
Naphthalene	Subsurface Soil	6	0	5.4	192.87	410	3090000	-	NA	ug/kg
Nickel	Surface Soil	27	33.75	9.7	15.20	56.7	20400	-	14.91	mg/kg
Nickel	Subsurface Soil	8	0	33	40.64	51.2	20400	-	62.21	mg/kg
Nitrobenzene	Surface Soil	80	0	330	366.75	440	332000	-	NA	ug/kg
Nitrobenzene	Subsurface Soil	3	0	360	380.00	410	332000	-	NA	ug/kg
N-Nitroso-Di-N-Propylamine	Surface Soil	80	0	330	366.75	440	5470	-	NA	ug/kg
N-Nitroso-Di-N-Propylamine	Subsurface Soil	3	0	360	380.00	410	5470	-	NA	ug/kg
N-Nitrosodiphenylamine	Surface Soil	80	0	330	366.75	440	7810000	-	NA	ug/kg
N-Nitrosodiphenylamine	Subsurface Soil	3	0	360	380.00	410	7810000	-	NA	ug/kg
O-Dichlorobenzene	Surface Soil	28	0	0.59	0.75	0.84	31200000	-	NA	ug/kg
P-Dichlorobenzene	Surface Soil	160	0	0.65	184.40	440	840000	-	NA	ug/kg
P-Dichlorobenzene	Subsurface Soil	6	0	5.4	192.87	410	840000	-	NA	ug/kg
Pentachlorophenol	Surface Soil	80	0	1600	1778.75	2100	162000	-	NA	ug/kg
Pentachlorophenol	Subsurface Soil	3	0	1700	1833.33	2000	162000	-	NA	ug/kg
Phenol	Surface Soil	80	0	330	366.75	440	6.13E+08	-	NA	ug/kg
Phenol	Subsurface Soil	3	0	360	380.00	410	6.13E+08	-	NA	ug/kg
P-Nitrophenol	Surface Soil	80	0	1600	1778.75	2100	8180000	-	NA	ug/kg

Analyte	Media	No. of Samples Analyzed	Detection Frequency	Minimum Concentration	Mean Concentration	Maximum Concentration	WRW AL	Ecological AL	Background Mean + 2 SD	Unit
P-Nitrophenol	Subsurface Soil	3	0	1700	1833.33	2000	8180000	-	NA	ug/kg
Pyrene	Surface Soil	22	27.5	57	2718.18	30000	22100000	-	NA	ug/kg
Pyrene	Subsurface Soil	3	0	360	380.00	410	22100000	-	NA	ug/kg
Selenium	Surface Soil	80	0	0.44	0.88	3.32	5110	-	1.224	mg/kg
Selenium	Subsurface Soil	8	0	1	1.00	1	5110	-	4.8	mg/kg
Silver	Surface Soil	1	1.25	3.8	3.80	3.8	5110	-	NA	mg/kg
Silver	Subsurface Soil	8	0	5	5.00	5	5110	-	24.54	mg/kg
Strontium	Surface Soil	17	21.25	46.3	199.59	360	613000	-	48.94	mg/kg
Strontium	Subsurface Soil	4	50	268	250.63	369	613000	-	211.38	mg/kg
Styrene	Surface Soil	80	0	0.685	1.82	78.8	1.23E+08	-	NA	ug/kg
Styrene	Subsurface Soil	3	0	5.4	5.73	6.2	1.23E+08	-	NA	ug/kg
Tetrachloroethene	Surface Soil	1	3.23	1.3	1.30	1.3	615000	-	NA	ug/kg
Tetrachloroethene	Subsurface Soil	3	0	5.4	5.73	6.2	615000	-	NA	ug/kg
Tin	Surface Soil	1	1.25	51.4	51.40	51.4	613000	-	NA	mg/kg
Tin	Subsurface Soil	8	0	4	4.66	6.9	613000	-	286.31	mg/kg
Toluene	Surface Soil	2	2.44	6.5	78.25	150	31300000	329000	NA	ug/kg
Toluene	Subsurface Soil	3	0	5.4	5.73	6.2	31300000	329000	NA	ug/kg
Trans-1,3-Dichloropropene	Surface Soil	80	0	0.693	1.87	79.7	250000	-	NA	ug/kg
Trans-1,3-Dichloropropene	Subsurface Soil	3	0	5.4	5.73	6.2	250000	-	NA	ug/kg
Trichloroethene	Surface Soil	29	0	0.642	0.85	5	19600	-	NA	ug/kg
Trichloroethene	Subsurface Soil	3	0	5.4	5.73	6.2	19600	-	NA	ug/kg
Uranium-235	Surface Soil	73	0	0	0.20	0.6146	8	-	0.0939	pci/g
Uranium-235	Subsurface Soil	1	12.5	1.937	0.41	1.937	8	-	0.12	pci/g
Vanadium	Surface Soil	57	71.25	18.9	83.99	184	7150	292	45.59	mg/kg
Vanadium	Subsurface Soil	4	50	101	109.72	197	7150	292	88.49	mg/kg
Vinyl Chloride	Surface Soil	29	0	0.949	1.22	5	41200	431	NA	ug/kg
Vinyl Chloride	Subsurface Soil	3	0	5.4	5.73	6.2	41200	431	NA	ug/kg
Xylenes (Total)	Surface Soil	29	0	2.56	2.87	5	1E+09	-	NA	ug/kg
Xylenes (Total)	Subsurface Soil	1	33	27	12.87	27	1E+09	-	NA	ug/kg
Zinc	Surface Soil	29	36.25	19.3	60.37	471	307000	-	73.76	mg/kg
Zinc	Subsurface Soil	8	0	101	134.88	186	307000	-	139.1	mg/kg

SD = standard deviation

## 2.1 Analytical Results

Analytical results indicate that concentrations of soil contaminants are present at concentrations less than the proposed RFCAL soil WRW ALs (DOE, CDPHE, EPA 2002), with the following four exceptions:

- The arsenic concentration at Location CG34-016 (0 – 2 ft below ground surface) is 28.1 mg/kg, and the AL is 22.2 mg/kg.
- The barium concentration at Location CG34-016 (0 – 2 ft below ground surface) is 44,500 mg/kg, and the AL is 26,400 mg/kg.
- The lead concentration at Location CF34-018 (0 – 0.5 ft below the Building 881 slab) is 1,150 mg/kg, and the AL is 1,000 mg/kg.
- The benzo(a)pyrene concentration at Location CF35-035 (0 – 0.5 ft below the Building 881 slab) is 15,000 ug/kg, and the AL is 3,490 ug/kg.

All contaminant concentrations are below the ALs for ecological receptors, except for the lead concentrations at Sampling Locations CF34-018 and CF35-037. The lead concentrations are 1,150 and 115 mg/kg, respectively, and the AL is 97.7 mg/kg.

In accordance with the IASAP (DOE 2001), the 95% upper confidence limit (UCL) of the mean of the contaminant of concern (COC) across the area of concern (AOC) divided by the AL is used to determine if action is warranted. Using this conservative approach across the AOC increases the mean and consequently the ratio between the mean and the AL. If the resulting ratio is less than 1, action is not warranted. In the case of barium, the 95% UCL of the mean across the AOC 2,841 mg/kg, and the AOC consists of IHSS Group 800-2 (i.e., UBC 881 and PAC 800-1205). The resulting ratio (2,841/26,400) equals 0.108, and therefore, action is not warranted.

In addition, arsenic and barium concentrations are less than three times their ALs. The arsenic concentration is also very close to its AL and is within its background range. The lead and benzo(a)pyrene exceedances occurred below the Building 881 slab many feet below grade and are addressed in the Subsurface Soil Risk Screen discussion (Section 4.0).

AL exceedances are shown in bold in Table 3. The locations of samples and analytical results greater than the background means plus two standard deviations or RLs, including AL exceedances, are shown on Figures 3 and 4. Figure 3 presents data from the northern portion of the IHSS Group, and Figure 4 presents data from the southern portion of the IHSS Group. Location CG34-016 is located with PAC 800-1205, and Locations CF34-018, CF35-035 and CF35-037 are located with UBC 881.

Liquid samples were collected when water was encountered in boreholes at locations CF35-008 and CF35-038. Analytical results indicate that all contaminant concentrations in both borehole samples were below RFCAL Tier II groundwater ALs, with one exception. The lead concentration at Location CF35-038 was 49 ug/L, and the Tier II AL is 15 ug/L. The Tier I AL is 1,500 ug/L. The raw data are included in the enclosed compact disc as a separate file.

## 2.2 Sums of Ratios

RFCA sums of ratios (SORs) were calculated for the IHSS Group 800-2 sampling locations. SOR calculations were based on pre-accelerated action and accelerated action analytical data for the radionuclides of concern (i.e., americium-241, plutonium-239/240, uranium-234, uranium-235, and uranium-238) with concentrations greater than background means plus two standard deviations or RLs. Table 5 presents the SORs for surface and subsurface soil. All SORs are less than 1.

**Table 5**  
**RFCA Sums of Ratios Based on IHSS Group 800-2 Radionuclide Concentrations**

Location	Surface Soil SOR	Subsurface Soil SOR
CF34-019	0.08	NA
CF35-020	0.08	NA
CF35-035	0.09	NA
CG35-015	NA	0.24

NA - Not applicable. Contaminant may be present but at a concentration below background mean plus two standard deviations or RL.

## 3.0 DEVIATIONS FROM PLANNED SAMPLING SPECIFICATIONS

Deviations from the planned sampling locations described in IASAP Addendum #IA-02-04 (DOE 2002) are presented in Table 6. Samples associated with IHSS Group 800-5 will be collected when this area can be better accessed. In addition, the IASAP Addendum specified that samples from two intervals be collected underneath the slab at each sampling location. The upper 6 inches of soil beneath the gravel layer was to be analyzed for metals, semi-volatile organic compounds, and radionuclides. The interval from 6 inches to 2.5 feet was to be analyzed for the same list of analytes plus volatile organic compounds (VOCs). However, as agreed to by Colorado Department of Public Health and Environment (CDPHE) (refer to Contact Record dated 6/25/02 in Appendix A), because of the dense nature of the claystone beneath the concrete slab, it was only necessary to collect one sample immediately beneath the gravel layer, to a depth sufficient to collect enough media to analyze for the entire suite of analytes, including VOCs, unless field instrumentation indicated that contamination was present at a given location (refer to the Contact Record dated 6/25/02 in Appendix A). Because field instrumentation did not indicate any contamination, only one sample was collected per location beneath the slab.

#### 4.0 SUBSURFACE SOIL RISK SCREEN

The subsurface soil risk screen follows the steps identified on Figure 3 in Attachment 5 of the proposed RFCA modification (DOE, et al 2002).

**Screen 1** – Are the contaminant of concern (COC) concentrations below RFCA Table 3 WRW Soil Action Levels?

No. As shown in Table 3 and on Figures 3 and 4, analytical results indicate that subsurface contaminant concentrations are less than the proposed RFCA WRW ALs (DOE, et al 2002), with the following exceptions:

- The lead concentration at Location CF34-018 (0 – 0.5 ft below the Building 881 slab within UBC 881) is 1,150 mg/kg, and the WRW AL is 1,000 mg/kg.
- The benzo(a)pyrene concentration at Location CF35-035 (0 – 0.5 ft below the Building 881 slab within UBC 881) is 15,000 ug/kg, and the WRW AL is 3,490 ug/kg.

**Table 6**  
**IHSS Group 800-2 Deviations from Planned Sampling Specifications**

Location Code	Easting Planned	Northing Planned	Easting Actual	Northing Actual	Comment
CF33-000	2083824.359	748124.840			Sample not taken at Tanks 24 & 32/B887; part of IHSS Group 800-5.
CF33-001	2083853.010	748121.103			Sample not taken at Tanks 24 & 32/B887; part of IHSS Group 800-5.
CF33-002	2083850.518	748075.013			Sample not taken at Tanks 24 & 32/B887; part of IHSS Group 800-5.
CF33-003	2083824.359	748073.768			Sample not taken at Tanks 24 & 32/B887; part of IHSS Group 800-5.
CF33-004	2083838.062	748101.172			Sample not taken at Tanks 24 & 32/B887; part of Group 800-5.
CF33-007	2083889.478	748059.006			Sample not taken at IHSS 177; part of IHSS Group 800-5.
CF33-008	2083919.698	748059.683			Sample not taken at IHSS 177; part of IHSS Group 800-5.
CF33-009	2083848.784	748139.505			Sample not taken at pipelines between Bldgs 881 & 887. To be sampled during pipeline remediation due to current presence of tanks and risk of puncturing lines from geoprobe sampling on hillside; part of Group 800-5.
CF33-010	2083867.655	748131.956			Sample not taken at pipelines between Bldgs 881 & 887. To be sampled during pipeline remediation due to current presence of tanks and risk of puncturing lines from geoprobe sampling on hillside; part of Group 800-5.
CF34-000	2083806.000	748339.480	2083803	748341	No significant change
CF34-001	2083806.000	748277.126	2083807	748289	No significant change
CF34-002	2083824.000	748308.303	2083822	748315	No significant change
CF34-003	2083842.000	748339.480	2083840	748341	No significant change
CF34-004	2083806.000	748214.772	2083809	748213	No significant change
CF34-005			2083857	748260	Additional sample collected.
CF34-006			2083845	748283	Additional sample collected.
CF34-007	2083860.000	748308.303	2083865	748321	No significant change
CF34-008	2083878.000	748339.480	2083881	748343	No significant change
CF34-009	2083842.000	748214.772	2083853	748217	No significant change
CF34-010			2083873	748244	Additional sample collected.
CF34-011			2083870	748273	Additional sample collected.
CF34-012	2083896.000	748308.303	2083900	748317.5	No significant change
CF34-013	2083914.000	748339.480	2083926	748382	No significant change
CF34-014	2083878.000	748214.772	2083890	748218	No significant change

Location Code	Easting Planned	Northing Planned	Easting Actual	Northing Actual	Comment
CF34-015			2083898	748252	Additional sample collected.
CF34-016	2083914.000	748277.126	2083913	748281	No significant change
CF34-017	2083932.000	748308.303	2083933	748316	No significant change
CF34-018	2083914.000	748214.772	2083919	748216	Location moved to avoid utility
CF34-019	2083932.000	748245.949	2083942	748252	Location moved to avoid utility
CF34-020	2083898.381	748182.556	2083896	748161	Sampled below asphalt
CF34-021	2083861.231	748189.865			Sample not taken (where process line exits bldg). To be sampled during line remediation due to hillside and depth to line; part of Group 800-5.
CF35-000	2083770.000	748526.541	2083772	748543	No significant change
CF35-001	2083788.000	748557.718	2083789	748573	No significant change
CF35-002	2083770.000	748464.187	2083765	748477	No significant change
CF35-003	2083788.000	748495.364	2083789	748507	No significant change
CF35-004	2083806.000	748526.541	2083806	748542	No significant change
CF35-005	2083824.000	748557.718	2083819	748568	No significant change
CF35-006	2083806.000	748464.187	2083808	748479	No significant change
CF35-007	2083824.000	748495.364	2083808	748515	No significant change
CF35-008	2083842.000	748526.541	2083838	748542	Liquid sample taken instead of soil sample; groundwater filled the core hole.
CF35-009	2083860.000	748557.718	2083862	748569	No significant change
CF35-010	2083806.000	748401.833	2083808	748412	No significant change
CF35-011	2083824.000	748433.010	2083830	748446	No significant change
CF35-012	2083842.000	748464.187	2083848	748479	No significant change
CF35-013	2083860.000	748495.364	2083863	748509	No significant change
CF35-014	2083878.000	748526.541	2083885	748553	No significant change
CF35-015	2083896.000	748557.718	2083896	748558	Sample collected in Room 163, Filter Plenum room area, on 8/1/02.
CF35-016	2083824.000	748370.657	2083816	748383	No significant change
CF35-017	2083842.000	748401.833	2083835	748415	No significant change
CF35-018	2083860.000	748433.010	2083861	748445	No significant change
CF35-019	2083878.000	748464.187	2083879	748477	No significant change
CF35-020	2083896.000	748495.364	2083898	748516	No significant change
CF35-021	2083914.000	748526.541	2083914	748527	Sample collected in Room 163, Filter Plenum room area, on 8/1/02.
CF35-022	2083860.000	748370.657	2083859	748382	No significant change
CF35-023	2083878.000	748401.833	2083878	748418	No significant change
CF35-024	2083896.000	748433.010	2083899	748452	No significant change
CF35-025	2083914.000	748464.187	2083913	748466	No significant change
CF35-026	2083932.000	748495.364	2083940	748510	No significant change
CF35-027	2083896.000	748370.657	2083897	748383	No significant change
CF35-028	2083914.000	748401.833	2083919	748411	No significant change
CF35-029	2083932.000	748433.010	2083930	748439	No significant change
CF35-030	2083932.000	748370.657	2083933	748364	No significant change
CF35-031	2083931.801	748558.030	2083932	748558	Sample collected in Room 162, Filter Plenum, on 8/1/02.
CF35-032	2083750.944	748557.047	2083754	748571	No significant change
CF35-033	2083751.927	748494.141	2083754	748510	No significant change
CF35-034	2083751.927	748433.200	2083754	748448	No significant change
CF35-035	2083788.295	748434.183	2083787	748456	No significant change
CF35-037			2083787	748410	Additional sample collected.

Location Code	Easting Planned	Northing Planned	Easting Actual	Northing Actual	Comment
CF35-038	2083845.024	748375.354	2083845	748392	Liquid sample taken instead of soil sample; groundwater filled the core hole.
CF35-039	2083915.044	748419.069	2083924	748424	No significant change
CF36-000	2083767.556	748588.481	2083768	748601	Location moved to avoid utility.
CG33-000	2083943.716	748023.148			Area part of IHSS Group 800-5.
CG34-000	2083950.000	748339.480	2083947	748341	No significant change
CG34-001	2083950.000	748277.126	2083949	748300	Sample collected in Room 112 on 8/5/02.
CG34-002	2083968.000	748308.303			Sample not taken from UBC 881; area not accessible. Sampling location was not relocated due to close proximity of other sampling locations in possible relocation areas; sample would have duplicated Location CG34-006.
CG34-003	2083986.000	748339.480	2083996	748333	No significant change
CG34-004	2083950.000	748214.772	2083809	748213	Location moved to avoid utility.
CG34-005	2083968.000	748245.949	2083975	748246	Location moved to avoid utility.
CG34-006	2083986.000	748277.126	2083989	748303	No significant change
CG34-007	2083986.000	748214.772			Sample not taken at sump from SW corner of B881; area not accessible or too thick to core through. Sampling location was not relocated due to close proximity of other sample locations in possible relocation areas; sample would have duplicated other locations (i.e., CG34-004, CG34-005, CG34-008, CG34-018 and CG34-019).
CG34-008	2084004.000	748245.949	2084001	748245	Location moved to avoid utility. Liquid sample taken instead of soil sample; groundwater filled the core hole.
CG34-009	2084004.536	748309.352	2084028	748319	No significant change
CG34-010	2084024.195	748339.823	2084037	748350	No significant change
CG34-011	2083983.806	748222.003			Sample not taken at sump from SW corner of B881; area not accessible or too thick to core through. Sampling location was not relocated due to close proximity of other sampling locations in possible relocation areas; sample would have duplicated other locations (i.e., CG34-004, CG34-005, CG34-008, CG34-018 and CG34-019).
CG34-012	2083998.754	748208.799			Sample not taken at sump from SW corner of B881; area not accessible or too thick to core through. Sampling location was not relocated due to close proximity of other sampling locations in possible relocation areas; sample would have duplicated other locations (i.e., CG34-004, CG34-005, CG34-008, CG34-018 and CG34-019).
CG34-013	2083999.750	748230.723			Sample not taken at sump from SW corner of B881; area not accessible or too thick to core through. Sampling location was not relocated due to close proximity of other sampling locations in possible relocation areas; sample would have duplicated other locations (i.e., CG34-004, CG34-005, CG34-008, CG34-018 and CG34-019).
CG34-015	2084132.492	748333.257	2084132	748333	Sample depths deeper than planned because of thickness of the asphalt.
CG34-016	2084088.458	748332.628	2084089	748330	Location moved to avoid utility. Depths deeper than planned because of the thickness of the asphalt.
CG35-000	2083950.000	748464.187	2083966	748483	No significant change
CG35-001	2083968.000	748495.364	2083975	748513	No significant change
CG35-002	2083950.000	748401.833	2083765	748477	No significant change
CG35-003	2083968.000	748433.010	2083980	748468	No significant change
CG35-004	2083986.000	748464.187	2083993	748481	No significant change
CG35-005	2084004.000	748495.364	2084016	748523	No significant change
CG35-006	2083968.000	748370.657	2083985	748385	No significant change
CG35-007	2083986.000	748401.833	2083993	748409	No significant change
CG35-008	2084038.938	748371.276	2084043	748383	No significant change
CG35-009	2084004.536	748370.293	2084006	748378	No significant change
CG35-010	2084003.553	748433.200			Sample not taken from UBC 881 due to close proximity of 11 other sampling locations within Room 144 area; coverage is adequate in this area.

Location Code	Easting Planned	Northing Planned	Easting Actual	Northing Actual	Comment
CG35-011	2083949.923	748526.695			Sample not taken; area not accessible or too thick to core through. Sampling location was not relocated due to close proximity of other sampling locations in possible relocation areas; sample would have duplicated other locations (i.e., CG34-007 and CG34-013).
CG35-012	2083960.885	748455.941			Sample not taken; area not accessible or too thick to core through. Sampling location was not relocated due to close proximity of other sampling locations in possible relocation areas; sample would have duplicated other locations (i.e., CG34-007 and CG34-013).
CG35-013	2083975.833	748512.744	2083976	748517	No significant change
CG35-014	2084007.723	748485.837	2084026	748517	No significant change
CG35-015	2084085.941	748422.584	2084086	748423	Sample depths deeper than planned because of the thickness of the asphalt.
CG35-016	2084133.750	748400.567	2084134	748401	Sample depths deeper than planned because of the thickness of the asphalt.
CG35-017	2084073.360	748368.485	2084073	748368	Sample depths deeper than planned because of the thickness of the asphalt.

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The elevated lead concentration was detected under a painted floor, and lead in the paint may have contaminated the sample. The benzo(a)pyrene may be associated with a diesel spill that occurred during building construction, even though the chemical is found in tar and asphalt and is associated with the combustion of many organic compounds.

In addition, the elevated concentrations of lead and benzo(a)pyrene are located beneath the building slab, which is located significantly below the ground surface; Location CF34-018 is located at least 20 feet below the ground surface, and Location CF35-035 is located at least 10 feet below the ground surface.

**Screen 2** – Is there a potential for subsurface soil to become surface soil (landslides and erosion areas identified on Figure 1 of the proposed RFCA Modification)?

PAC 800-1205 is not located in an area susceptible to landslides or high erosion (Figure 1; DOE et al 2002). The southern part of UBC 881 is located near a hillside, and the at-grade soil in that area is susceptible to erosion. The site slopes southward and is located above the South Interceptor Ditch (SID). However, soil below the Building 881 slab is located many feet below grade and is not susceptible to erosion.

**Screen 3** – Does subsurface soil contamination for radionuclides exceed criteria defined in Section 5.3 and Attachment 14?

No. As shown in Table 3, radionuclide activities in soil are below 1 nCi/g.

**Screen 4** – Is there an environmental pathway and sufficient quantity of COCs that would cause an exceedance of surface water standards?

Migration via erosion and groundwater are the two possible pathways whereby surface water could become contaminated by IHSS Group 800-2. Surface water and groundwater from IHSS Group 800-2 flow towards the SID and Woman Creek. The distance from the south side of Building 881 to the SID is approximately 525 feet. If COCs (i.e., radionuclides, metals, VOCs and SVOCs at relatively low concentrations) were to migrate to these surface waters, either via erosion or groundwater transport, their concentrations at that point would be very low and probably would not cause an exceedance of water quality standards. During transport, the metals of concern would adsorb onto soil, and benzo(a)pyrene breaks down in a few weeks.

Groundwater monitoring results from well 313589, upgradient of IHSS Group 800-2, and wells 00797, 5387, 38591, 10592, 10692, and 10792, downgradient of IHSS Group 800-2, were evaluated (DOE 2000b, 2000c, 2000d, 2001c, 2001d, 2001e). Results from upgradient well 313589 indicated uranium-233/234, uranium-238, and nickel concentrations in groundwater were greater than RFCA Groundwater Tier II ALs. Data from downgradient wells indicated uranium-233/234, and uranium-238 were also present at concentrations greater than RFCA Groundwater Tier II ALs, at levels slightly higher than detected upgradient of IHSS Group 800-2. Data from downgradient well 38591 indicated strontium-89/90 was present at concentrations greater than RFCA Groundwater Tier II ALs. Data from wells 10592 and 10792 indicated selenium concentrations in groundwater were greater than RFCA Tier II ALs. Data from downgradient wells did not indicate that barium was detected at concentrations greater than RFCA groundwater Tier II ALs. Table 7 lists the maximum results from wells that exceeded RFCA Groundwater Tier II ALs.

**Table 7**  
**Groundwater Exceedances Associated With IHSS Groups 800-2 and 800-5**

Analyte	Well 313589 (pCi/L)	Well 00797 (pCi/L)	Well 5387 (pCi/L)	Well 38591 (pCi/L)	Well 10592 (pCi/L)	Well 10692 (pCi/L)	Well 10792 (pCi/L)	Tier II AL (pCi/L)	Tier I AL (pCi/L)
Strontium-89/90	-	-	-	0.901	-	-	-	0.852	85.2
Uranium-233/234	2.35	10.3	11	21.0327	29	19.2	6.51	1.06	106
Uranium-238	1.67	8.1	7.3	13.1608	19	10.6	5.2345	0.768	76.8
Analyte	Well 313589 (µg/L)	Well 00797 (µg/L)	Well 5387 (µg/L)	Well 38591 (µg/L)	Well 10592 (µg/L)	Well 10692 (µg/L)	Well 10792 (µg/L)	Tier II AL (µg/L)	Tier I AL (µg/L)
Nickel	150	-	-	-	-	-	-	140	14,000
Selenium	-	-	-	-	194	-	62.6	50	5,000

Groundwater quality at the upgradient well cannot be attributed to IHSS Group 800-2. Groundwater quality at downgradient wells may have been impacted by potential contamination from IHSS Groups 800-2. However, the groundwater COCs are not present at elevated concentrations in soil at IHSS Group 800-2, which indicates that IHSS Group 800-2 is not the source of the groundwater COCs. Further groundwater evaluation will be part of the groundwater plume remedial decision and future sitewide evaluation.

In addition, an Interim Measure/Interim Remedial Action was undertaken to collect and treat groundwater from within Operable Unit 1 (DOE 1992). Water collected included flow from the Building 881 footing drains. Data indicated that contaminant concentrations in the footing drain flow were low (DOE 1994), and the treatment system was subsequently taken out of service.

**Screen 5 – Are COC concentrations below Table 3 Soil ALs for ecological receptors?**

All subsurface COC concentrations are below the ALs for ecological receptors, except for the lead concentration at Sampling Location CF34-018. The lead concentration is 1,150 mg/kg, and the Ecological Receptor AL is 97.7 mg/kg. However, this location is under the Building 881 slab, which is located at least 20 feet below the ground surface and not accessible to ecological receptors. Also the building slab will be kept in place, further reducing the likelihood that ecological receptors will come into contact with COCs.

## 5.0 NFAA SUMMARY

Analytical results and the subsurface soil risk screen indicate that an NFAA determination is justified for IHSS Group 800-2 because of the following:

- The elevated barium concentration at location CG34-016 in surface soil at PAC 800-1205 is a hot spot restricted to a relatively small area. The elevated barium concentration at location CG34-016 in surface soil at PAC 800-1205 is a hot spot restricted to a relatively small area. The result of the 95% UCL calculation and comparison (Section 2.1) indicates that action is not warranted. The result of the hot

spot elevated measurement calculation (Section 2.1) indicates that action is not warranted. Additionally, the barium concentration at this location is less than three times the AL indicating that action is not warranted. Barium at this location could be from a number of sources but is not considered susceptible to erosion because barium is relatively immobile in RFETS soil types (ATSDR 1992) and is not in an area with high potential for erosion or landslides;

- Arsenic was detected within RFETS background ranges; and
- Lead and benzo(a)pyrene concentrations are below the Building 881 slab and well below the surface.

Approval of this Data Summary Report constitutes regulatory agency concurrence that this IHSS Group is an NFAA site. This information and the NFAA determination will be documented in the FY03 HRR. Further evaluation will be conducted as part of the Sitewide Comprehensive Risk Assessment and the Integrated Monitoring Program.

## **6.0 DATA QUALITY ASSESSMENT**

The Data Quality Objectives (DQOs) for this project are described in the IASAP (DOE 2002). All DQOs for this project were achieved based on the following:

- Regulatory agency approved sampling program design (IASAP Addendum 02-04 [DOE 2002]);
- Collection of samples in accordance with the sampling design (Section 2.0, Table 2);
- Results of the Data Quality Assessment as described in the following sections.

### **6.1 Data Quality Assessment Process**

The Data Quality Assessment (DQA) process ensures that the type, quantity and quality of environmental data used in decision making are defensible, and is based on the following guidance and requirements:

- EPA QA/G-4, 1994a, Guidance for the Data Quality Objective Process;
- EPA QA/G-9, 1998, Guidance for the Data Quality Assessment Process; Practical Methods for Data Analysis; and
- DOE Order 414.1A, 1999, Quality Assurance.

Verification and validation (V&V) of the data are the primary components of the DQA. The final data are compared with original project DQOs and evaluated with respect to project decisions; uncertainty within the decisions; and quality criteria required for the data, specifically precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS). Validation criteria are consistent with the following RFETS-specific documents and industry guidelines:

- EPA 540/R-94/012, 1994b, USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review;

- EPA 540/R-94/013, 1994c, USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review; and
- Kaiser-Hill Company, L.L.C.(K-H) V&V Guidelines:
- General Guidelines for Data Verification and Validation, DA-GR01-v1, 1997a.
- V&V Guidelines for Isotopic Determinations by Alpha Spectrometry, DA-RC01-v1, 1998.
- V&V Guidelines for Volatile Organics, DA-SS01-v1, 1997b.
- V&V Guidelines for Semivolatile Organics, DA-SS02-v1, 1997c.
- V&V Guidelines for Metals, DA-SS05-v1, 1997d.
- Lockheed-Martin, 1997, Evaluation of Radiochemical Data Usability, ES/ER/MS-5.

This report will be submitted to the Comprehensive Environmental, Response, Compensation and Liability Act (CERCLA) Administrative Record (AR) for permanent storage 30 days after being provided to CDPHE and/or U.S. Environmental Protection Agency (EPA).

## **6.2 Verification and Validation of Results**

Verification ensures that data produced and used by the project are documented and traceable in accordance with quality requirements. Validation consists of a technical review of all data that directly support the project decisions so that any limitations of the data relative to project goals are delineated and the associated data are qualified accordingly. The V&V process defines the criteria that constitute data quality, namely PARCCS parameters. Data traceability and archival are also addressed. V&V criteria include the following:

- Chain-of-custody;
- Preservation and hold-times;
- Instrument calibrations;
- Preparation blanks;
- Interference check samples (metals);
- Matrix spikes/matrix spike duplicates (MS/MSD);
- Laboratory control samples (LCS);
- Field duplicate measurements;
- Chemical yield (radiochemistry);

- Required quantitation limits/minimum detectable activities (sensitivity of chemical and radiochemical measurements, respectively); and
- Sample analysis and preparation methods.

Evaluation of V&V criteria ensures that PARCCS parameters are satisfactory (i.e., within tolerances acceptable to the project). Satisfactory V&V of laboratory quality controls are captured through application of validation “flags” or qualifiers to individual records.

Raw hardcopy data (e.g., individual analytical data packages) are currently filed by report identification number (RIN) and are maintained by the Kaiser-Hill Analytical Services Division; older hardcopies may reside in the Federal Center in Lakewood, Colorado. Electronic data are stored in the RFETS Soil and Water Database.

Both real and quality control (QC) data, as of June 4, 2003 are included on the enclosed CDs.

#### 6.2.1 Accuracy

The following measures of accuracy were evaluated:

- Laboratory Control Sample Evaluation;
- Surrogate Evaluation;
- Field Blanks; and
- Sample Matrix Spike Evaluation.

Results are compared to method requirements and project goals. The results of these comparisons are summarized for RFCA COCs where the result could impact project decisions. Particular attention is paid to those values near ALs when QC results could indicate unacceptable levels of uncertainty for decision-making purposes.

##### Laboratory Control Sample Evaluation

The frequency of LCS measurements, relative to each laboratory batch, is given in Table 8. LCS frequency was adequate based on at least one LCS per batch. The minimum and maximum LCS results are also tabulated, by chemical, for the entire project. While not all LCS results are within tolerances, project decisions based on AL exceedances were not affected.

##### Surrogate Evaluation

The frequency of surrogate measurements, relative to each laboratory batch, is given in Table 9. Surrogate frequency was adequate based on at least one set per sample. The minimum and maximum surrogate results are also tabulated, by chemical, for the entire project.

##### Field Blank Evaluation

Results of the field blank analyses are given in Table 10. Detectable amounts of contaminants within the blanks, which could indicate possible cross-contamination of

samples, are evaluated if the same contaminant is detected in the associated real samples. When the real result is less than 10 times the blank result for laboratory contaminants and 5 times the result for non-laboratory contaminants, the real result is eliminated. None of the chemicals detected in blanks were detected at concentrations greater than ALs, therefore no significant blank contamination is indicated.

**Table 8**  
**Laboratory Control Sample Evaluation**

CAS No.	Analyte	Result Type	Minimum	Maximum	Number of Laboratory Samples	Number of Laboratory Batches	Unit	Test Method
71-55-6	1,1,1-TRICHLOROETHANE	LC	89.38	104.2	14	14	%REC	SW-846 8260
79-34-5	1,1,2,2-TETRACHLOROETHANE	LC	85.56	121.5	14	14	%REC	SW-846 8260
79-00-5	1,1,2-TRICHLOROETHANE	LC	83.15	113	14	14	%REC	SW-846 8260
75-34-3	1,1-DICHLOROETHANE	LC	94.09	108.7	14	14	%REC	SW-846 8260
75-35-4	1,1-DICHLOROETHENE	LC	89.7	111.1	16	16	%REC	SW-846 8260
120-82-1	1,2,4-TRICHLOROBENZENE	LC	54	77	18	18	%REC	SW-846 8270B
120-82-1	1,2,4-TRICHLOROBENZENE	LC	92.59	117.9	14	14	%REC	SW-846 8260
107-06-2	1,2-DICHLOROETHANE	LC	90.19	109	14	14	%REC	SW-846 8260
78-87-5	1,2-DICHLOROPROPANE	LC	93.53	111.5	14	14	%REC	SW-846 8260
121-14-2	2,4-DINITROTOLUENE	LC	54	88	18	18	%REC	SW-846 8270B
78-93-3	2-BUTANONE	LC	84.69	121.5	14	14	%REC	SW-846 8260
95-57-8	2-CHLOROPHENOL	LC	59	80	18	18	%REC	SW-846 8270B
108-10-1	4-METHYL-2-PENTANONE	LC	72.36	93.32	14	14	%REC	SW-846 8260
83-32-9	ACENAPHTHENE	LC	51	77	18	18	%REC	SW-846 8270B
67-63-1	ACETONE	LC	74.23	165.9	14	14	%REC	SW-846 8260
7429-90-5	ALUMINUM	LC	94	94	2	2	%REC	SW-846 6010/6010B
7440-36-0	ANTIMONY	LC	92	93	2	2	%REC	SW-846 6010/6010B
12674-11-2	AROCLOR-1016	LC	77	77	1	1	%REC	SW-846 8082
11096-82-5	AROCLOR-1260	LC	91	91	1	1	%REC	SW-846 8082
7440-38-2	ARSENIC	LC	91	93	2	2	%REC	SW-846 6010/6010B
7440-39-3	BARIUM	LC	96	96	2	2	%REC	SW-846 6010/6010B
71-43-2	BENZENE	LC	89.11	107.4	16	16	%REC	SW-846 8260
7440-41-7	BERYLLIUM	LC	86	90	2	2	%REC	SW-846 6010/6010B
75-27-4	BROMODICHLOROMETHANE	LC	87.24	111.8	14	14	%REC	SW-846 8260
75-25-2	BROMOFORM	LC	82.81	103.8	14	14	%REC	SW-846 8260
74-83-9	BROMOMETHANE	LC	88.01	128.2	14	14	%REC	SW-846 8260
7440-43-9	CADMIUM	LC	89	91	2	2	%REC	SW-846 6010/6010B
75-15-0	CARBON DISULFIDE	LC	93.49	125	14	14	%REC	SW-846 8260
56-23-5	CARBON TETRACHLORIDE	LC	87.41	104.2	14	14	%REC	SW-846 8260
108-90-7	CHLOROBENZENE	LC	92.2	114.1	16	16	%REC	SW-846 8260
75-00-3	CHLOROETHANE	LC	92.63	122.7	14	14	%REC	SW-846 8260
67-66-3	CHLOROFORM	LC	85.81	105.6	14	14	%REC	SW-846 8260
74-87-3	CHLOROMETHANE	LC	79.21	151.5	14	14	%REC	SW-846 8260
10061-01-5	CIS-1,3-DICHLOROPROPENE	LC	90.4	111.8	14	14	%REC	SW-846 8260
7440-48-4	COBALT	LC	86	89	2	2	%REC	SW-846 6010/6010B
7440-50-8	COPPER	LC	93	95	2	2	%REC	SW-846 6010/6010B
124-48-1	DIBROMOCHLOROMETHANE	LC	84.93	108.1	14	14	%REC	SW-846 8260
100-11-4	ETHYLBENZENE	LC	91.74	109.1	14	14	%REC	SW-846 8260
87-68-3	HEXACHLOROBUTADIENE	LC	79.43	113.7	14	14	%REC	SW-846 8260

AS No.	Analyte	Result Type	Minimum	Maximum	Number of Laboratory Samples	Number of Laboratory Batches	Unit	Test Method
7439-89-6	IRON	LC	95	96	2	2	%REC	SW-846 6010/6010B
7439-92-1	LEAD	LC	91	92	2	2	%REC	SW-846 6010/6010B
7439-93-2	LITHIUM	LC	97	98	2	2	%REC	SW-846 6010/6010B
7439-96-5	MANGANESE	LC	89	91	2	2	%REC	SW-846 6010/6010B
7439-97-6	MERCURY	LC	99	101	3	3	%REC	SW-846 6010/6010B
75-09-2	METHYLENE CHLORIDE	LC	85.56	107.3	14	14	%REC	SW-846 8260
7439-98-7	MOLYBDENUM	LC	86	89	2	2	%REC	SW-846 6010/6010B
91-20-3	NAPHTHALENE	LC	85.84	117	14	14	%REC	SW-846 8260
7440-02-0	NICKEL	LC	91	93	2	2	%REC	SW-846 6010/6010B
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	LC	56	84	18	18	%REC	SW-846 8270B
95-50-1	O-DICHLOROBENZENE	LC	89.62	105.7	14	14	%REC	SW-846 8260
106-46-7	P-DICHLOROBENZENE	LC	92.83	107.2	14	14	%REC	SW-846 8260
106-46-7	P-DICHLOROBENZENE	LC	53	74	18	18	%REC	SW-846 8270B
87-86-5	PENTACHLOROPHENOL	LC	39	81	18	18	%REC	SW-846 8270B
108-95-2	PHENOL	LC	61	83	18	18	%REC	SW-846 8270B
100-02-7	P-NITROPHENOL	LC	44	93	18	18	%REC	SW-846 8270B
129-00-0	PYRENE	LC	49	82	18	18	%REC	SW-846 8270B
7782-49-2	SELENIUM	LC	95	96	2	2	%REC	SW-846 6010/6010B
7440-22-4	SILVER	LC	92	94	2	2	%REC	SW-846 6010/6010B
7440-24-6	STRONTIUM	LC	95	95	2	2	%REC	SW-846 6010/6010B
100-42-5	STYRENE	LC	99.34	119	14	14	%REC	SW-846 8260
8-4	TETRACHLOROETHENE	LC	87.14	104.2	14	14	%REC	SW-846 8260
7440-31-5	TIN	LC	88	90	2	2	%REC	SW-846 6010/6010B
108-88-3	TOLUENE	LC	92.06	105.4	16	16	%REC	SW-846 8260
10061-02-6	TRANS-1,3-DICHLOROPROPENE	LC	88.9	111	14	14	%REC	SW-846 8260
79-01-6	TRICHLOROETHENE	LC	89.8	103.3	16	16	%REC	SW-846 8260
7440-62-2	VANADIUM	LC	87	91	2	2	%REC	SW-846 6010/6010B
75-01-4	VINYL CHLORIDE	LC	87.77	128.2	14	14	%REC	SW-846 8260
1330-20-7	XYLENES (TOTAL)	LC	84.93	99.19	14	14	%REC	SW-846 8260
7440-66-6	ZINC	LC	86	89	2	2	%REC	SW-846 6010/6010B

**Table 9**  
**Surrogate Recovery Summary**

VOC Surrogate Recoveries				
Number of Samples	Analyte	Minimum	Maximum	Unit Code
320	TOLUENE-D8	56.01	129.3	%REC
322	1,2-DICHLOROETHANE-D4	63.84	125	%REC
340	4-BROMOFLUOROBENZENE	52	139.5	%REC
SVOC Surrogate Recoveries				
Number of Samples	Analyte	Minimum	Maximum	Unit Code
92	2-FLUOROBIPHENYL	40	89	%REC
93	2-FLUOROPHENOL	37	85	%REC
93	NITROBENZENE-D5	41	87	%REC
93	TERPHENYL-D14	33	86	%REC

**Table 10**  
**Field Blank Summary**

Sample QC Code	Test Method Name	Analyte	Maximum Detected Value	Unit
RB	SW8260B	2-Butanone	5	ug/L
FB	SW8260B	Toluene	1	ug/L
RB	GAMMA	Uranium-235	0.3	pCi/g
RB	GAMMA	Uranium-238	5	pCi/g
Field Blanks (Trip, Rinse, Field) results greater than detection limits (not *U* Qualified)				

Sample Matrix Spike Evaluation

The frequency of MS measurements, relative to each laboratory batch, was adequate based on at least one MS per batch. The minimum and maximum of MS results are summarized by chemical, for the entire project in Table 11.

**Table 11**  
**Sample Matrix Spike Evaluation**

CAS No.	Analyte	Result Type	Minimum	Maximum	Number of Laboratory Samples	Number of Laboratory Batches	Unit	Test Method
71-55-6	1,1,1-TRICHLOROETHANE	MS	9.167	102.5	9	9	%REC	SW-846 8260
79-34-5	1,1,2,2-TETRACHLOROETHANE	MS	0	72.06	9	9	%REC	SW-846 8260
79-00-5	1,1,2-TRICHLOROETHANE	MS	41.49	115.9	9	9	%REC	SW-846 8260
79-34-3	1,1-DICHLOROETHANE	MS	16.69	88.78	9	9	%REC	SW-846 8260
75-35-4	1,1-DICHLOROETHENE	MS	6.833	98.35	10	10	%REC	SW-846 8260
120-82-1	1,2,4-TRICHLOROBENZENE	MS	15.05	89.08	9	9	%REC	SW-846 8260
120-82-1	1,2,4-TRICHLOROBENZENE	MS	39	71	13	13	%REC	SW-846 8270B
107-06-2	1,2-DICHLOROETHANE	MS	39.18	97.78	9	9	%REC	SW-846 8260
78-87-5	1,2-DICHLOROPROPANE	MS	30.17	94.61	9	9	%REC	SW-846 8260
121-14-2	2,4-DINITROTOLUENE	MS	44	85	13	13	%REC	SW-846 8270B
78-93-3	2-BUTANONE	MS	0	96.98	9	9	%REC	SW-846 8260
95-57-8	2-CHLOROPHENOL	MS	2.8	71	13	13	%REC	SW-846 8270B
108-10-1	4-METHYL-2-PENTANONE	MS	19.59	137.3	9	9	%REC	SW-846 8260
83-32-9	ACENAPHTHENE	MS	0	73	13	13	%REC	SW-846 8270B
67-64-1	ACETONE	MS	52.78	147.4	9	9	%REC	SW-846 8260
7429-90-5	ALUMINUM	MS	1340	2100	2	2	%REC	SW-846 6010/6010B
7440-36-0	ANTIMONY	MS	42	45	2	2	%REC	SW-846 6010/6010B
7440-38-2	ARSENIC	MS	91	93	2	2	%REC	SW-846 6010/6010B
7440-39-3	BARIUM	MS	98	102	2	2	%REC	SW-846 6010/6010B
71-43-2	BENZENE	MS	16.7	102	10	10	%REC	SW-846 8260
7440-41-7	BERYLLIUM	MS	87	89	2	2	%REC	SW-846 6010/6010B
75-27-4	BROMODICHLOROMETHANE	MS	30.83	111	9	9	%REC	SW-846 8260
75-25-2	BROMOFORM	MS	19.29	101.9	9	9	%REC	SW-846 8260
74-83-9	BROMOMETHANE	MS	11.87	106.9	9	9	%REC	SW-846 8260
74-40-3-9	CADMIUM	MS	88	90	2	2	%REC	SW-846 6010/6010B

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CAS No.	Analyte	Result Type	Minimum	Maximum	Number of Laboratory Samples	Number of Laboratory Batches	Unit	Test Method
75-15-0	CARBON DISULFIDE	MS	2.519	86.73	9	9	%REC	SW-846 8260
56-23-5	CARBON TETRACHLORIDE	MS	4.556	98.16	9	9	%REC	SW-846 8260
108-90-7	CHLOROBENZENE	MS	23.57	91	10	10	%REC	SW-846 8260
75-00-3	CHLOROETHANE	MS	1.87	90.67	9	9	%REC	SW-846 8260
67-66-3	CHLOROFORM	MS	24.57	103.6	9	9	%REC	SW-846 8260
74-87-3	CHLOROMETHANE	MS	3.556	93.27	9	9	%REC	SW-846 8260
10061-01-5	CIS-1,3-DICHLOROPROPENE	MS	20.74	105.3	9	9	%REC	SW-846 8260
7440-48-4	COBALT	MS	83	90	2	2	%REC	SW-846 6010/6010B
7440-50-8	COPPER	MS	97	107	2	2	%REC	SW-846 6010/6010B
124-48-1	DIBROMOCHLOROMETHANE	MS	26.25	115.4	9	9	%REC	SW-846 8260
100-41-4	ETHYLBENZENE	MS	15.52	92.61	9	9	%REC	SW-846 8260
87-68-3	HEXACHLOROBUTADIENE	MS	8.444	81.25	9	9	%REC	SW-846 8260
7439-89-6	IRON	MS	0	1680	2	2	%REC	SW-846 6010/6010B
7439-92-1	LEAD	MS	91	94	2	2	%REC	SW-846 6010/6010B
7439-93-2	LITHIUM	MS	98	98	2	2	%REC	SW-846 6010/6010B
7439-96-5	MANGANESE	MS	116	231	2	2	%REC	SW-846 6010/6010B
7439-97-6	MERCURY	MS	95	107	3	3	%REC	SW-846 6010/6010B
75-09-2	METHYLENE CHLORIDE	MS	27.04	101.7	9	9	%REC	SW-846 8260
7439-98-7	MOLYBDENUM	MS	83	85	2	2	%REC	SW-846 6010/6010B
91-20-3	NAPHTHALENE	MS	21	96.35	9	9	%REC	SW-846 8260
7440-02-0	NICKEL	MS	89	92	2	2	%REC	SW-846 6010/6010B
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	MS	42	79	13	13	%REC	SW-846 8270B
95-50-1	O-DICHLOROBENZENE	MS	33.67	100.6	9	9	%REC	SW-846 8260
106-46-7	P-DICHLOROBENZENE	MS	28.7	96.49	9	9	%REC	SW-846 8260
106-46-7	P-DICHLOROBENZENE	MS	38	64	13	13	%REC	SW-846 8270B
87-86-5	PENTACHLOROPHENOL	MS	0	66	13	13	%REC	SW-846 8270B
108-95-2	PHENOL	MS	24	73	13	13	%REC	SW-846 8270B
100-02-7	P-NITROPHENOL	MS	0	84	13	13	%REC	SW-846 8270B
129-00-0	PYRENE	MS	0	67	13	13	%REC	SW-846 8270B
7782-49-2	SELENIUM	MS	94	95	2	2	%REC	SW-846 6010/6010B
7440-22-4	SILVER	MS	92	97	2	2	%REC	SW-846 6010/6010B
7440-24-6	STRONTIUM	MS	97	108	2	2	%REC	SW-846 6010/6010B
100-42-5	STYRENE	MS	23.78	84.04	9	9	%REC	SW-846 8260
127-18-4	TETRACHLOROETHENE	MS	9	113	9	9	%REC	SW-846 8260
7440-31-5	TIN	MS	85	86	2	2	%REC	SW-846 6010/6010B
108-88-3	TOLUENE	MS	17.43	103.9	10	10	%REC	SW-846 8260
10061-02-6	TRANS-1,3-DICHLOROPROPENE	MS	27.94	108	9	9	%REC	SW-846 8260
79-01-6	TRICHLOROETHENE	MS	33.35	136.5	10	10	%REC	SW-846 8260
7440-62-2	VANADIUM	MS	91	102	2	2	%REC	SW-846 6010/6010B
75-01-4	VINYL CHLORIDE	MS	0	90.37	9	9	%REC	SW-846 8260

CAS No.	Analyte	Result Type	Minimum	Maximum	Number of Laboratory Samples	Number of Laboratory Batches	Unit	Test Method
1330-20-7	XYLENES (TOTAL)	MS	20.175	102.8	9	9	%REC	SW-846 8260
7440-66-6	ZINC	MS	84	87	2	2	%REC	SW-846 6010/6010B

## 6.2.2 Precision

*Matrix Spike Duplicate Evaluation*

Laboratory precision is measured through use of MSD. Adequate frequency of MSD measurements is indicated by at least one MSD in each laboratory batch. Table 12 indicates that MSD frequencies were adequate. While some of the recoveries appear to be low, they would not result in rejection of data that affects the project decision.

**Table 12**  
**Sample Matrix Spike Duplicate Evaluation**

Analyte Name	Number of Sample Pairs	Number of Laboratory Batches	Max RPD (%)
1,1,1-TRICHLOROETHANE	11	11	148
1,1,2,2-TETRACHLOROETHANE	10	10	171
1,1,2-TRICHLOROETHANE	11	11	39
1,1-DICHLOROETHANE	11	11	113
1,1-DICHLOROETHENE	12	12	158
1,2,4-TRICHLOROBENZENE	11	11	60
1,2,4-TRICHLOROBENZENE	13	13	30
1,2-DICHLOROETHANE	11	11	57
1,2-DICHLOROPROPANE	11	11	69
2,4-DINITROTOLUENE	13	13	26
2-BUTANONE	9	9	51
2-CHLOROPHENOL	13	13	67
4-METHYL-2-PENTANONE	11	11	119
ACENAPHTHENE	12	12	26
ACETONE	11	11	38
ALUMINUM	2	2	7
ANTIMONY	2	2	12
ARSENIC	2	2	4
BARIUM	2	2	5
BENZENE	12	12	92
BERYLLIUM	2	2	4
BROMODICHLOROMETHANE	11	11	58
BROMOFORM	11	11	51
BROMOMETHANE	11	11	123
CARBON DISULFIDE	11	11	176
CARBON TETRACHLORIDE	11	11	171
CHLOROBENZENE	12	12	66
CHLOROETHANE	11	11	187
CHLOROFORM	11	11	87

Analyte Name	Number of Sample Pairs	Number of Laboratory Batches	Max RPD (%)
CHLOROMETHANE	11	11	169
CIS-1,3-DICHLOROPROPENE	11	11	61
COBALT	2	2	2
COPPER	2	2	8
DIBROMOCHLOROMETHANE	11	11	54
ETHYLBENZENE	11	11	105
HEXACHLOROBUTADIENE	11	11	115
IRON	1	1	84
LEAD	2	2	5
LITHIUM	2	2	4
MANGANESE	2	2	14
MERCURY	3	3	3
METHYLENE CHLORIDE	11	11	78
MOLYBDENUM	2	2	6
NAPHTHALENE	11	11	58
NICKEL	2	2	3
PENTACHLOROPHENOL	12	12	93
PHENOL	13	13	27
PYRENE	12	12	140
SELENIUM	2	2	3
SILVER	2	2	6
STRONTIUM	2	2	12
TETRACHLOROETHENE	11	11	142
TIN	2	2	5
TOLUENE	12	12	79
TRANS-1,3-DICHLOROPROPENE	11	11	52
TRICHLOROETHENE	12	12	101
VANADIUM	2	2	11
VINYL CHLORIDE	10	10	126
ZINC	2	2	7

#### Field Duplicate Evaluation

Field duplicate results reflect sampling precision, or overall repeatability of the sampling process. The frequency of field duplicate collection should exceed 1 field duplicate per 20 real samples, or 5 percent. Table 13 indicates that sampling frequencies were adequate. A common metric for evaluating precision is the relative percent difference (RPD) value; RPD values are given in Table 14. Ideally, RPDs of less than 35 percent (in soil) indicate satisfactory precision. Values exceeding 35 percent only affect project decisions if the imprecision is great enough to cause contradictory decisions relative to the COC (i.e., one sample indicates clean soil whereas the QC partner does not). As indicated by the data in Table 14, a number of analytes have RPDs greater than 35 percent. Project decisions were based only on analytes that exceeded ALs (i.e., arsenic, barium, benzo(a)pyrene and lead). The RPD percentages greater than 35 percent indicate that the sampling precision has been exceeded. The imprecision does not affect project decisions because the AL exceedances are considered real.

**Table 13**  
**Field Duplicate Sample Frequency**

Test Method Name	Sample Code	Number of Samples	% Duplicate Samples
GAMMA SPECTROSCOPY	REAL	81	11
GAMMA SPECTROSCOPY	DUP	9	
SW-846 6010/6010B	REAL	27	9
SW-846 6010/6010B	DUP	3	
SW-846 6200	REAL	60	11
SW-846 6200	DUP	7	
SW-846 8082	REAL	2	0
SW-846 8082	DUP	0	
SW-846 8260	REAL	80	9
SW-846 8260	DUP	7	
SW-846 8270B	REAL	80	11
SW-846 8270B	DUP	9	

**Table 14**  
**RPD Evaluation**

Analyte	Max of RPD %
1,1,1-TRICHLOROETHANE	25
1,1,2,2-TETRACHLOROETHANE	6
1,1,2-TRICHLOROETHANE	5
1,1-DICHLOROETHANE	10
1,1-DICHLOROETHENE	90
1,2,4-TRICHLOROBENZENE	199
1,2-DICHLOROETHANE	35
1,2-DICHLOROPROPANE	35
2,4,5-TRICHLOROPHENOL	3
2,4,6-TRICHLOROPHENOL	3
2,4-DICHLOROPHENOL	3
2,4-DIMETHYLPHENOL	3
2,4-DINITROPHENOL	6
2,4-DINITROTOLUENE	3
2,6-DINITROTOLUENE	3
2-BUTANONE	17
2-CHLORONAPHTHALENE	3
2-CHLOROPHENOL	3
2-NITROANILINE	6
4-CHLOROANILINE	3
4-METHYL-2-PENTANONE	117
ACENAPHTHENE	133
ACETONE	157
ALUMINUM	4
ANTHRACENE	71
ANTIMONY	2

Analyte	Max of RPD %
ARSENIC	31
BARIUM	32
BENZENE	19
BENZO(A)ANTHRACENE	136
BENZO(A)PYRENE	40
BENZO(B)FLUORANTHENE	31
BENZO(K)FLUORANTHENE	57
BENZOIC ACID	6
BERYLLIUM	4
BIS(2-ETHYLHEXYL)PHTHALATE	10
BROMODICHLOROMETHANE	5
BROMOFORM	5
BROMOMETHANE	81
BUTYLBENZYLPHTHALATE	31
CARBON DISULFIDE	30
CARBON TETRACHLORIDE	15
CHLOROBENZENE	61
CHLOROETHANE	77
CHLOROFORM	10
CHLOROMETHANE	75
CHRYSENE	148
CIS-1,3-DICHLOROPROPENE	35
COBALT	23
COPPER	49
DIBENZ(A,H)ANTHRACENE	40
DIBENZOFURAN	3
DIBROMOCHLOROMETHANE	14
ETHYLBENZENE	94
FLUORANTHENE	55
FLUORENE	53
HEXACHLOROBENZENE	3
HEXACHLOROBUTADIENE	199
HEXACHLOROCYCLOPENTADIENE	3
HEXACHLOROETHANE	3
INDENO(1,2,3-CD)PYRENE	36
IRON	15
ISOPHORONE	3
LEAD	48
LITHIUM	4
MANGANESE	104
MERCURY	56
METHYLENE CHLORIDE	21
MOLYBDENUM	0
NAPHTHALENE	199
NICKEL	30
NITROBENZENE	3
N-NITROSODIPHENYLAMINE	3

Analyte	Max of RPD %
PENTACHLOROPHENOL	6
PHENOL	3
PYRENE	50
SELENIUM	2
SILVER	2
STRONTIUM	23
TETRACHLOROETHENE	44
TIN	47
TOLUENE	5
TRANS-1,3-DICHLOROPROPENE	18
TRICHLOROETHENE	21
VANADIUM	29
VINYL CHLORIDE	86
ZINC	24

### Completeness

Based on original project DQOs, a minimum of 25 percent of Environmental Restoration (ER) Program analytical (and radiological) results must be formally verified and validated. Of that percentage, no more than 10 percent of the results may be rejected, which ensures that analytical laboratory practices are consistent with quality requirements. Table 15 shows the number and percentage of validated records (codes without "1"), the number and percentage of verified records (codes with "1"), and the percentage of rejected records for each analyte group. Although the frequency of validation is less than project quality requirements, compliance with the RFETS Site validation goal of 25% of all analytical records indicates that these data are adequate.

### 6.2.3 Sensitivity

Reporting limits, in units of ug/kg for organics, mg/kg for metals, and pCi/g for radionuclides, were compared with proposed RFCA WRW and Ecological Receptor ALs. Adequate sensitivities of analytical methods were attained for all COCs that affect project decisions. "Adequate" sensitivity is defined as a reporting limit less than an analyte's associated AL, typically less than one-half the AL.

### 6.3 Summary of Data Quality

The RPDs greater than 35 percent indicate that the sampling precision limits for lead and benzo(a)pyrene has been exceeded. However, the imprecision does not affect project decisions because the AL exceedances of lead and benzo(a)pyrene are considered real. RPDs for arsenic and barium were less than 35 percent, and consequently, they do not affect project decisions. No records were rejected. No records were validated, however, compliance with the RFETS Site validation goal of 25% of all analytical records indicates that these data are adequate. Data collected and used for IHSS Group 800-2 is adequate for decision-making.

**Table 15**  
**Validation and Verification Summary**

Validation Code	Number of Records	Radionuclides	Metals	PBCs	SVOCs	VOCs
No V&V	6323	1331	4992			
I	17	0	0		17	
J1	192	0	191	1		
V1	7520	0	1786	262		5472
UJ1	105	0	60	13	24	8
Total	14157	1331	7029	276	41	5480
Total Validated	0	0	0	0	0	0
% Validated	0.00%	0%	0%	0%	0%	0%
Total Verified	7834	0	2037	276	41	5480
% Verified	55.34%	0.00%	28.98%	100.00%	100.00%	100.00%
% Rejected	0%	0%	0%	0%	0%	0%

KEY:  
 I, V1 - Verified  
 J, J1 - Estimated  
 UJ1 - Estimated detection limit  
 V - Validated

## **7.0 REFERENCES**

ATSDR, 1992, ToxProfile for Barium, [www:/atsdr.cdc.gov/toxprofiles/tp24-c5](http://www.atsdr.cdc.gov/toxprofiles/tp24-c5), Agency for Toxic Substance and Disease Registry, July.

DOE, 1992-2001, Historical Release Reports for the Rocky Flats Plant, Rocky Flats Plant, Golden, Colorado, June.

DOE, 1992, Work Plan for the Startup, Operation, and Maintenance of the IM/IRA for the 881 Hillside, Operable Unit No. 1, Rocky Flats Plant, Golden, Colorado, February.

DOE, 1994, Final Phase III RFI/RI, Rocky Flats Plant, 881 Hillside Area (Operable Unit 1), Golden, Colorado, June.

DOE, 2001, Industrial Area Sampling and Analysis Plan, Rocky Flats Environmental Technology Site, Golden, Colorado, June.

DOE, 2002, Industrial Area Sampling and Analysis Plan Addendum #IA-02-04, Rocky Flats Environmental Technology Site, Golden, Colorado, November.

DOE, CDPHE and EPA, 2002, Proposed RFCA Modifications, Rocky Flats Environmental Technology Site, Golden, Colorado, November.

**ENCLOSURE**

**IHSS GROUP 800-2 RAW DATA  
(Compact Disc)**

**APPENDIX A**  
**CORRESPONDENCE**

# ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE ER REGULATORY CONTACT RECORD

**Date/Time:** December 17, 2002/ 3:00 pm

**Site Contact(s):** Hanna Marschall, Reginald Tyler  
**Phone:** (303) 966-4085 (303) 966-5927

**Regulatory Contact:** Carl Spreng  
**Phone:** (303) 692-3358

**Agency:** CDPHE

**Purpose of Contact:** Permission to re-grade Building 335

## Discussion

While grading at the site of the former building 335, soil staining was noted at the southeast corner of the slab. An additional sample was collected for volatile organic compounds (VOC) and metals in the soil to determine if soil contamination above action levels was present. A review of the sample data indicates that all constituents are below Tier I and Tier 2 action levels with the exception of an arsenic concentration of 19 ppm, slightly exceeding the arsenic background value. However, this value is within the range of arsenic concentrations identified at other locations even though it is slightly above the official background value.

After review of this data and based on similar arsenic concentrations seen at several other locations that are accepted to be within the arsenic background range, both Reg Tyler, DOE and Carl Spreng, CDPHE agreed that the B335 area can be regraded.

**Contact Record Prepared By:** Hanna Z. Marschall

## Required Distribution:

S. Bell, RFFO	D. Mayo, K-H RISS
L. Brooks, K-H ESS	J. Mead, K-H ESS
L. Butler, K-H RISS	S. Nesta, K-H RISS
C. Deck, K-H Legal	K. North, K-H ESS
R. DiSalvo, RFFO	T. Rehder, USEPA
S. Gunderson, CDPHE	D. Shelton, K-H
J. Legare, RFFO	E. Pottorff, CDPHE
D. Kruchek, CDP	R. Tyler, RFFO

## Additional Distribution

(choose names as applicable):

M. Broussard, K-H RISS  
S. Serreze, K-H RISS  
G. Kleeman, USEPA  
G. Kelly, K-H RISS  
L. Norland, K-H RISS  
A. Primrose, K-H RISS  
D. Foss, K-H RISS  
C. Freiboth, K-H RISS  
H. Marschall, K-H RISS  
N. Castaneda, RFFO  
S. Surovchak, RFFO

# ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE ER REGULATORY CONTACT RECORD

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**Date/Time:** 09/19/02 10:28AM  
**Site Contact(s):** Michael Bemski  
**Phone:** 303-966-4090  
**Regulatory Contact:** David Kruchek  
**Phone:** 303-692-3328  
**Agency:** Colorado Department of Public Health and Environment

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**Purpose of Contact:** Approval for Tank 28 spill soil put back

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## Discussion

Per our telephone discussion of 09/17/02, we will put back the soil that had been picked-up in association with the spill of water from the two Tanks-28. The location for the put-back will be at the same location where the soil was collected, near the tall stack north of Bldg. 881. As discussed, the results from samples taken of the wet soil from the spill showed contaminants well below levels that would have required remediation.

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**Contact Record Prepared By:** Michael Bemski

---

## Required Distribution:

S. Bell, RFFO  
L. Brooks, K-H ESS  
L. Butler, K-H RISS  
C. Deck, K-H Legal  
R. DiSalvo, RFFO  
S. Gunderson, CDPHE  
J. Legare, RFFO

D. Mayo, K-H RISS  
J. Mead, K-H ESS  
S. Nesta, K-H RISS  
K. North, K-H ESS  
T. Rehder, USEPA  
D. Shelton, K-H  
C. Spreng, CDPHE

## Additional Distribution

(choose names as applicable):

M. Broussard, K-H RISS  
J. Hindman, CDPHE  
G. Kleeman, USEPA  
D. Kruchek, CDPHE  
L. Norland, K-H RISS  
A. Primrose, K-H RISS  
E. Pottorff, CDPHE  
S. Tower, DOE

# ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE ER REGULATORY CONTACT RECORD

Date/Time: June 25, 2002/ 7:45 am

Site Contact(s): Annette Primrose

Phone: (303) 966-4385

Regulatory Contact: David Kruchek

Phone: (303) 692-3328

Agency: CDPHE

Purpose of Contact: Discussion of Building 881 underslab sampling

## Discussion

The IA SAP Addendum for Building 881 underslab sampling (IHSS Group 800-2) requires that 2 sample intervals be collected underneath the slab at each sample location. The upper 6 inches of soil beneath the gravel layer was to be analyzed for metals, semi-volatile organic compounds and radionuclides. The interval from 6 inches to 2 ½ feet was to be analyzed for the same list of analytes and also for volatile organic compounds. Because of the expected dense nature of the claystone beneath the concrete slab, we discussed that one sample be collected immediately beneath the gravel layer, and to a depth sufficient to collect enough media to analyze for the entire suite of samples including volatile organic compounds. The sample for the interval 6 inches to 2 ½ feet will not be collected unless field instrumentation indicates that contamination is present at a given location. As we discussed, this information was also discussed with Elizabeth Pottorff on June 24<sup>th</sup> and she agrees with this approach.

Contact Record Prepared By: Annette Primrose

## Required Distribution:

S. Bell, RFFO  
L. Brooks, K-H ESS  
L. Butler, K-H RISS  
C. Deck, K-H Legal  
R. DiSalvo, RFFO  
S. Gunderson, CDPHE  
J. Legare, RFFO

D. Mayo, K-H RISS  
J. Mead, K-H ESS  
S. Nesta, K-H RISS  
K. North, K-H ESS  
T. Rehder, USEPA  
D. Shelton, K-H  
C. Spreng, CDPHE

## Additional Distribution

(choose names as applicable):

M. Broussard, K-H RISS  
G. Kleeman, USEPA  
D. Kruchek, CDPHE  
L. Norland, K-H RISS  
A. Primrose, K-H RISS  
E. Pottorff, CDPHE  
S. Serreze, KH Team  
D. Strand, KH Team  
J. Monroe, KH Team

94/94

Figure 1  
IHSS Group 800-2 Location Map

EXPLANATION  
IHSS Groupings



Standard Map Features

- Buildings and other structures
- Demolished buildings
- Lakes and ponds
- Streams, ditches, or other drainage features
- Fences and other barriers
- Paved roads
- Dirt roads
- Solar Evaporation Ponds (SEPs)
- Industrial Area Operable Unit Boundary

DATA SOURCE BASE FEATURES:  
PAFCS  
Historical Release Report (HRR)  
Site Environmental Assessment  
Sept. 30, 1997  
Individual Hazardous Substance Sites (IHSS)  
DCE 1992, HRR Report and Subsequent Updates  
Remedial Action Work Plan (RAWP) and other  
Regulations from 1994 until the road data  
captured by ECRSSE, Las Vegas.  
Digitized from the orthophotograph, 1995



State Plane Coordinate Projection  
Colorado Central Zone  
Datum: NAD27

U.S. Department of Energy  
Rocky Flats Environmental Technology Site

GIS Dept. 303-866-7707

Prepared for:

**DynCorp**



December 23, 2002



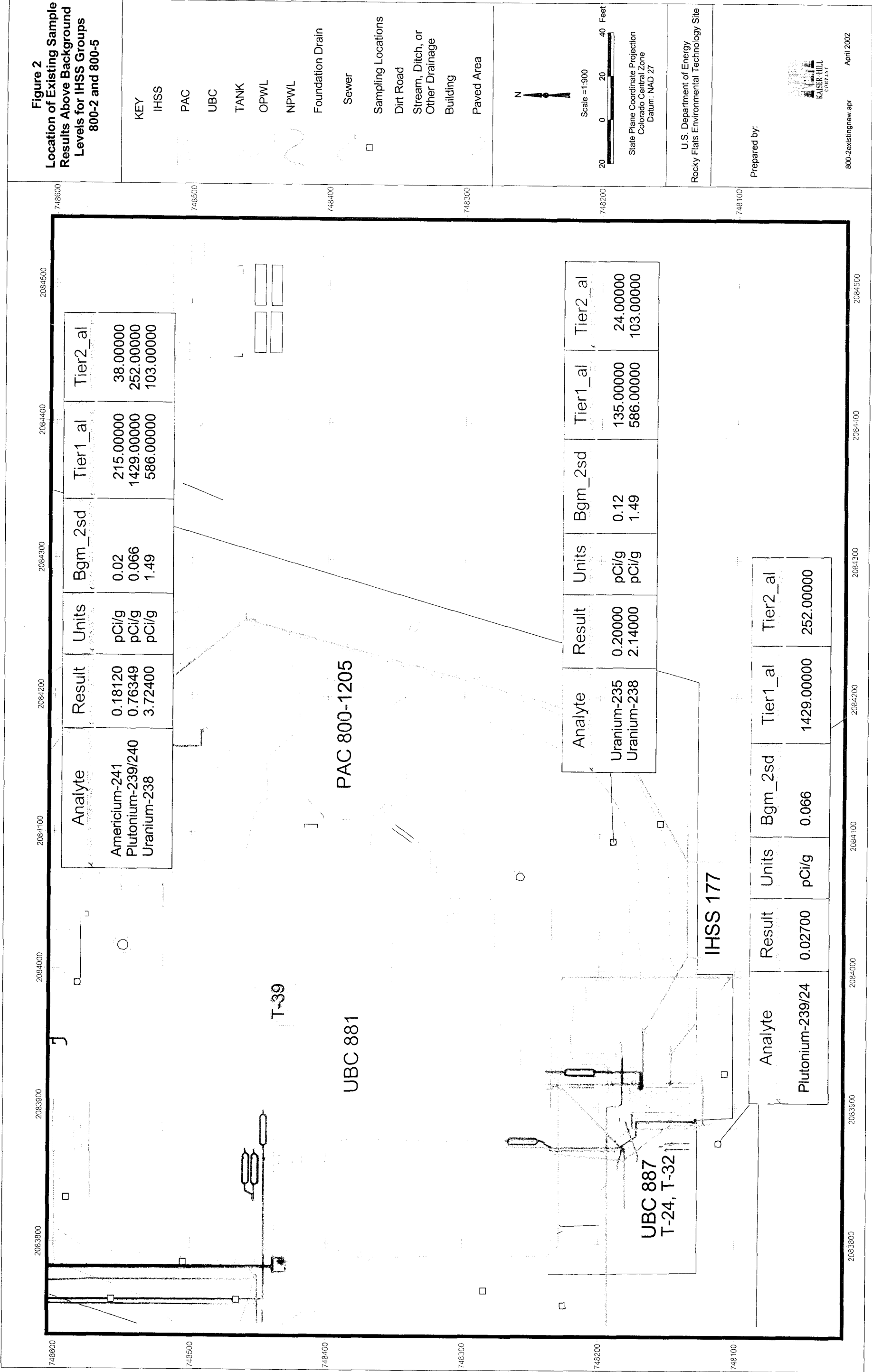




Figure 3

Soil Sampling Results  
Greater Than  
Background or Detection  
Limit at IHSS Group 800-2,  
North Side

KEY

•

Action Level  
Exceedance

Below Action Level

Below Background  
Means or Detection Limits

NPWL

Paved Road

OPWL

UBC

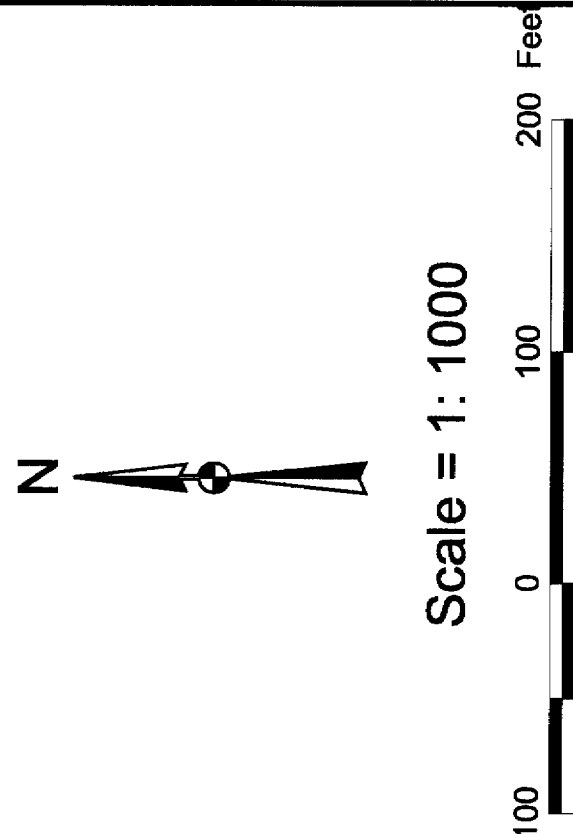
PAC

Building/Structure

Demolished

Standing

DI = Detection Limit  
Sbd = Sample begin depth  
Sed = Sample end depth  
Wrw = Wildlife Refuge Worker Action Limit  
Eco = Ecological Receptor Action Limit



State Plane Coordinate Projection  
Colorado Central Zone  
Datum: NAD 27

U.S. Department of Energy  
Rocky Flats Environmental Technology Site

Prepared by: Date: 06.02.03

RADMS

KAISER HILL  
COMPANY

Prepared for: